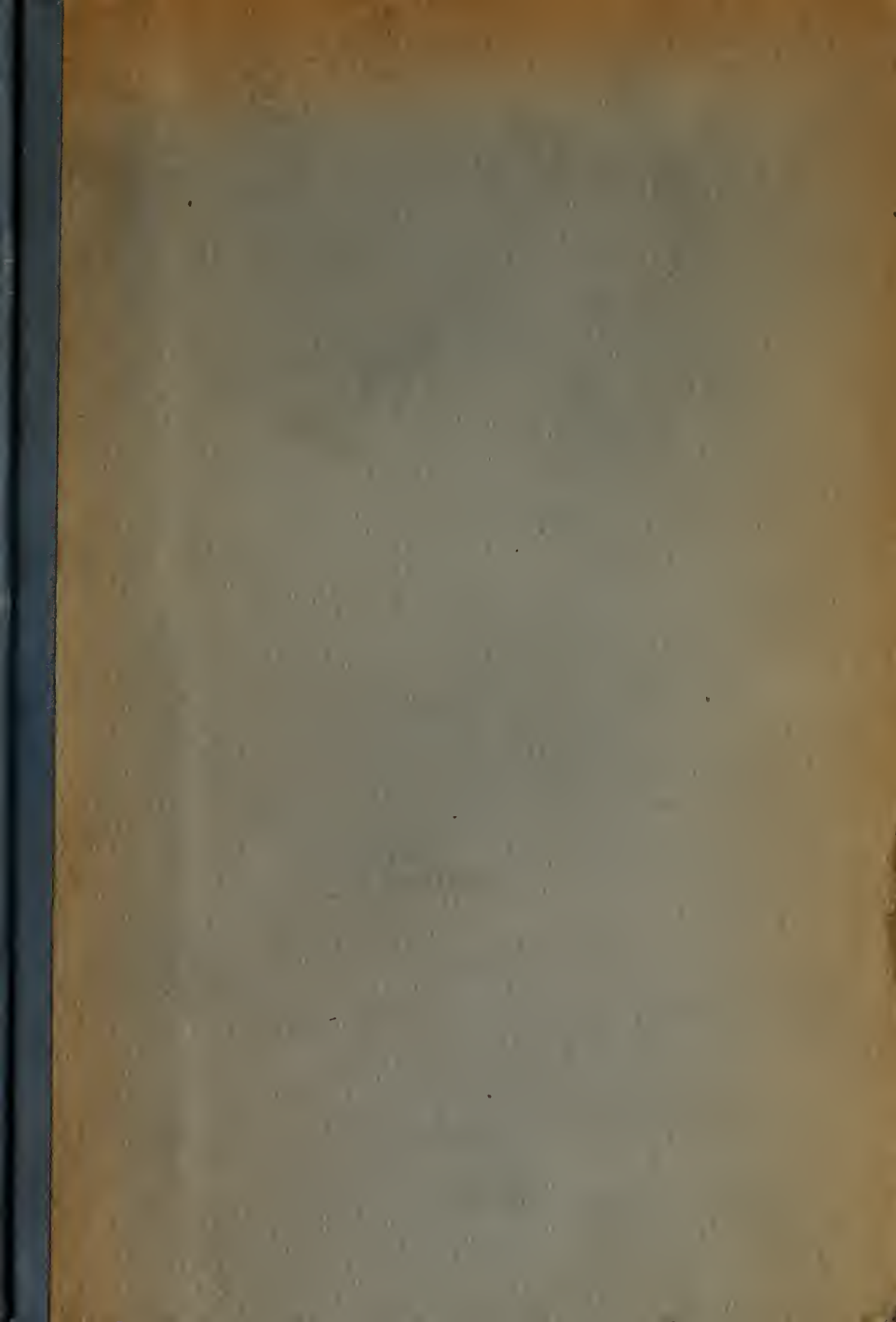
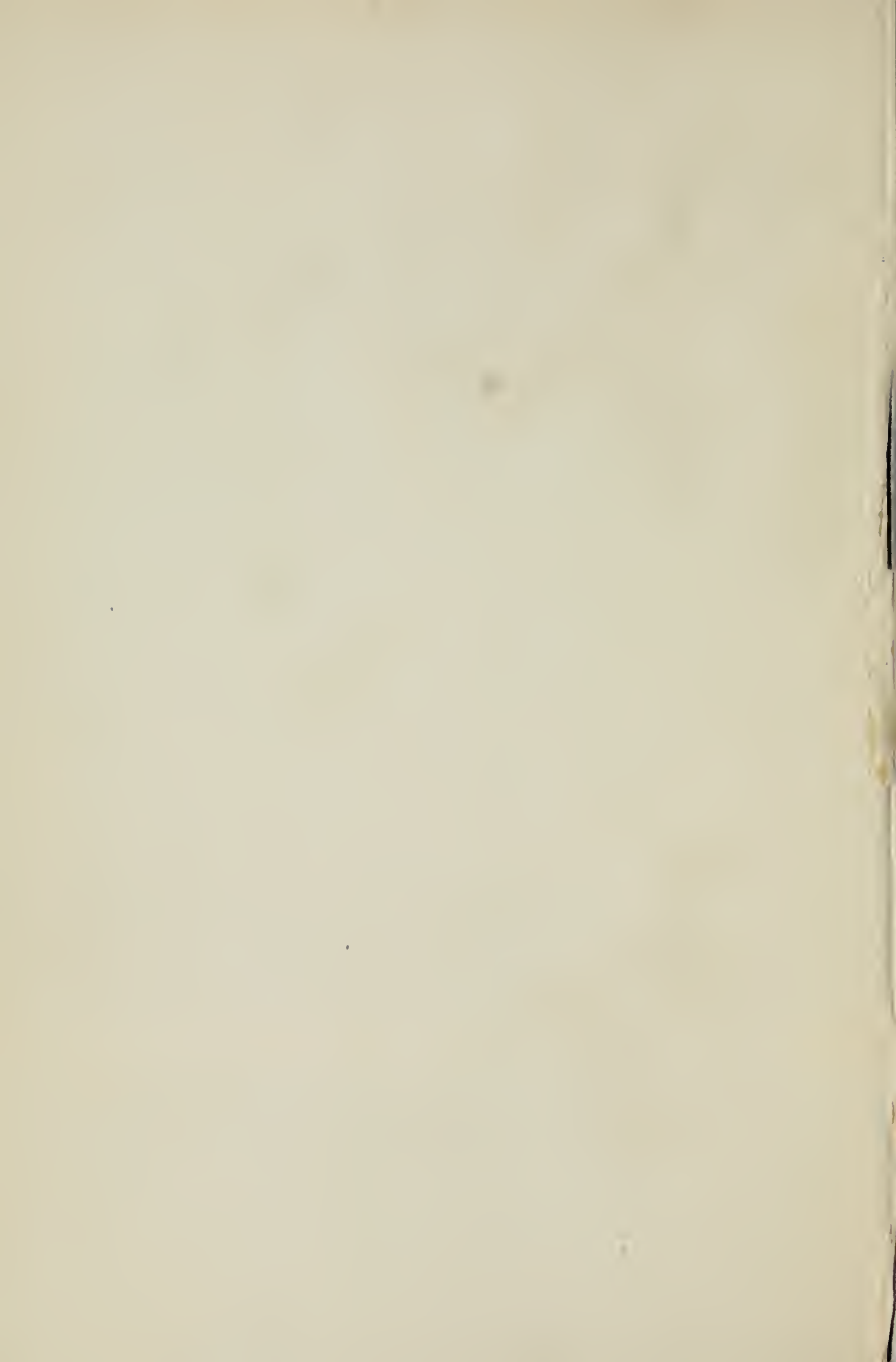








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(VOLUME 4)

DECEMBER, 1910 - Dec 1913 (NUMBER 3)

— THE —

WESLEYAN UNIVERSITY (BULLETIN)

///

MIDDLETOWN, CONNECTICUT



BULLETIN 47 (OLD SERIES) —

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27/12/19.

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

*Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown, Connecticut,
under the Act of Congress of July 16, 1894*

MIDDLETOWN, CONNECTICUT
PELTON & KING

CALENDAR

1910

Sept. 22	Thursday	9:00 A. M.	College year began.
Nov. 23	Wednesday	12:00 M.	Thanksgiving recess began.
Nov. 26	Saturday	7:50 A. M.	Thanksgiving recess ended.
Dec. 21	Wednesday	12:00 M.	Christmas recess will begin.

1911

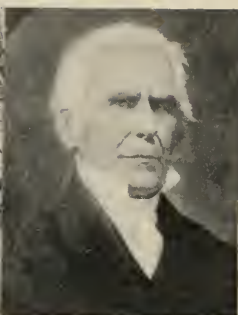
Jan. 5	Thursday	7:50 A. M.	Christmas recess will end.
Jan. 23	Monday		Mid-year examinations will begin.
Feb. 6	Monday	7:50 A. M.	Second half-year will begin.
Feb. 22	Wednesday		Washington's Birthday.
Mar. 9	Thursday	8:00 P. M.	Briggs Prize Debate.
April 11	Tuesday	5:00 P. M.	Easter recess will begin.
April 19	Wednesday	7:50 A. M.	Easter recess will end.
May 4	Thursday	8:00 P. M.	Junior Exhibition.
May 30	Tuesday		Memorial Day,—a holiday.
June 2	Friday		Final examinations will begin.
June 18	Sunday	10:30 A. M.	Baccalaureate Sermon.
June 19	Monday	9:30 A. M.	Examinations of College Entrance Examination Board will begin.
June 21	Wednesday	10:30 A. M.	COMMENCEMENT.
Sept. 20	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
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WILLBUR FISK
1792-1839
First President



SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices



LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

EMPHASIS has been repeatedly laid in the *Bulletin* upon the urgent need of an endowment fund adequate to meet the expenses of the institution. There has for years been a large annual deficit, which, by last June, had accumulated to the amount of about \$91,500. For the present collegiate year the estimated deficit of about \$21,000 has been provided for by the generosity of some members of the Board of Trustees. But obviously the relief thus afforded is but temporary, and the College cannot prosper so long as the inevitable annual outlay exceeds the annual income. No material reduction of the annual expense can be made without seriously impairing the efficiency of the work of the College. In fact, there is in several departments a pressing demand for an increase in the staff of instruction.

Since his installation, President Shanklin has been devoting himself to a close study of the College and its constituency, and reserving until the present year the active prosecution of plans for raising the new endowment. Yet in the course of the past year the sum of \$217,500 has been pledged, somewhat more than a fifth of the entire amount desired. Last August the President underwent a surgical operation which compelled a rest of several weeks, but he has made a happy recovery, and is giving himself with renewed energy to the completion of a definite plan for raising the endowment before January 1, 1912, the time at which a

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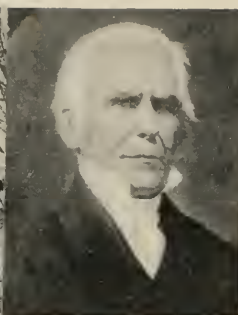
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million of dollars must be pledged in order to secure the conditional offer of \$100,000 from the General Education Board.

It should, perhaps, be definitely stated that not less than \$700,000 of the million is to be devoted to endowment for meeting the annual expenses. For new buildings—a library, a chemical laboratory, a college union—not more than \$300,000 of the million can be used, although this sum is evidently insufficient to provide buildings in every respect adequate.

At a special meeting of the Board of Trustees held in New York City on December 2, the following committee was appointed to take in charge the entire project for raising the desired million of dollars: J. C. Clark, John Gribbel, W. T. Rich, J. N. Brown, C. L. Rockwell, Charles Scott, R. N. Bennett, W. H. Burrows, C. D. Burdick, W. A. Shanklin.

The enrollment of students this year is 369, the largest in the history of Wesleyan. In the freshman class there entered in September 140 men, including special students, and the record now contains the names of 133 freshmen and two special students. The very substantial rate of increase indicated by these figures affords good ground for hope that the attendance may be raised within a reasonable time to not less than five hundred. A year ago the entering class was twenty per cent larger than that of the preceding year; and the present freshman class shows an advance of sixteen per cent over the class of last year. Four freshman classes of 150 men each would be sufficient, allowing for the usual shrinkage in numbers, to bring the aggregate enrollment up to not less than five hundred, which, as was stated in the *Bulletin* of last December, is as large a number as can be adequately provided for.

Some important changes have been made in the method of election of members to Phi Beta Kappa. Of each graduating class, twenty per cent is to be elected, in place of twenty-five per cent as heretofore. A further innovation is the election of ten per cent of the entire number in November and the remaining ten per cent in June. Henceforth but two honorary members are to be chosen instead of four.

Attention is called to the fact that after this year the amount of college bills for every student will be \$140.

By the death of Samuel Wood Bowne, on October 29, the University loses a valued member of the Board of Trustees and of its general executive committee. Mr. Bowne was a liberal giver to charitable and

educational enterprises, and his will provided numerous bequests for such purposes. The amount bequeathed to Wesleyan considerably exceeds that named in the public press.

TRUSTEE MEETING

The annual meeting of the Board of Trustees was held in Middletown beginning Monday evening, June 27, 1910, and concluding on Tuesday morning, the 28th. The officers of the Board were reelected, as follows: H. C. M. Ingraham, President; David G. Downey, Secretary; Clinton D. Burdick, Treasurer.

The following appointments to the faculty were made, all for one year: Alexander C. Stevens, Instructor in Descriptive Geometry and Assistant in Physics; Oscar F. Hedenburg, Assistant in Chemistry; John K. Lamond, Instructor in Mathematics; Ralph E. Gould, Assistant in Physics; Ernest F. Amy, Assistant in English; Clark S. Beardslee, Lecturer in Ethics; Arthur L. Gillett, Lecturer in Evidences of Christianity. Doctor David D. Whitney was appointed acting Curator of the Museum.

A committee was appointed to consider the question of the purchase of land needed for the erection of an observatory, and, if necessary or desirable, to purchase it.

It was voted to authorize the employment of a salaried Y. M. C. A. secretary.

A vote of thanks was extended to the committee composed of the wives of members of the faculty, which has completed a fund for a Wesleyan bed in the Middlesex Hospital.

The following resolution was adopted: "Upon the retirement of Harlow Raymond from the employ of Wesleyan University at the age of eighty years, after a period of nearly forty-six years of active service in a capacity which commenced as Janitor and developed with the growth of the college into the Superintendency of Buildings and Grounds, this board places upon its record this minute in acknowledgment and appreciation of his long and valuable service, his untiring interest in all that pertained to the institution, and the watchful care and faithfulness with which he discharged his duties."

The treasurer placed on file the printed financial exhibit for the year ending June 30, 1909. He made a verbal report, showing a deficit for the college year just ending of about \$40,000, and a total deficit in round figures of \$91,500. The financial condition of the college was discussed in detail, and subscriptions amounting to \$21,000 to cover the estimated deficit for the year 1910-11 were made by the trustees. A committee of

five, consisting of J. E. Andrus, President W. A. Shanklin, C. D. Burdick, J. N. Brown, and R. N. Bennett, was appointed to take into consideration the expenditures of the college and report where they may wisely be reduced, and also concerning the possible increase of the revenue so as to present a budget that shall not exceed the probable income of the University for the year. If special features beyond the budget are necessary or desirable, they are to be provided for by special subscriptions or arrangements.

The following were elected trustees for a period of five years from October 1, 1910, to succeed themselves: J. C. Clark, J. E. King, W. V. Kelley, W. C. Squire, A. R. Crittenden, John Gribbel, James G. Shepherd.

The treasurer announced the receipt of \$5,000 from the estate of the late Charles H. Buck, D. D., for the endowment fund.

On motion of President Shanklin, seconded by W. V. Kelley, the thanks and appreciation of the Board for the successful work in connection with the placing of Wesleyan University on the Carnegie Foundation were unanimously tendered to S. H. Olin by a rising vote.

It was voted that S. H. Olin should make proper response to the Carnegie Foundation, and C. D. Burdick to the General Education Board, for their helpful interest and gifts in relation to the University.

THE FINANCES

The following is an abridgment of the *Financial Exhibit of Wesleyan University for the year ending June 30, 1910*, submitted by the treasurer of the University, Clinton D. Burdick:

PROPERTY OF WESLEYAN UNIVERSITY

Real estate used by the University, - - - - -	\$882,715 78
Equipment of buildings, - - - - -	197,751 05
Special investments, - - - - -	162,862 91
General investments:	
Real estate mortgages, - - - - -	756,800 00
Railroad bonds, - - - - -	200,112 78
Other bonds, - - - - -	346,708 72
Bank stocks, - - - - -	12,987 50
Other stock, - - - - -	23,063 12
Real estate, - - - - -	46,000 00
Cash, - - - - -	24,684 21
Balance due from income account, - - - - -	91,486 03
	\$2,745,172 10

The foregoing property represents the following funds and balances, and is answerable for the same:

University grounds, buildings, and contents, - - -	\$1,080,466	83
General endowment (including Trafton and Ayres funds),	678,250	15
Endowments of the presidency and professorships, - -	596,011	85
Library endowments, - - - - -	89,264	01
Fayerweather Gymnasium fund, - - - - -	25,000	00
Endowments of prizes, - - - - -	8,212	26
Endowments of scholarships, - - - - -	65,361	84
Crawford Memorial fund, - - - - -	5,000	00
Annuity funds, - - - - -	97,250	00
Astronomical Observatory fund, - - - - -	53,216	42
Wesleyan Hospital fund, - - - - -	5,232	42
Balances of special funds, - - - - -	2,906	32
Bills payable, loans on account of income, - - -	39,000	00
	\$2,745,172	10

RECEIPTS EXCLUSIVE OF INCOME

Investments terminated, - - - - -	\$101,270	00
Alumni endowment fund, gifts, - - - - -	10,215	35
Other gifts for general endowment, - - - - -	60,000	00
Wesleyan Hospital fund, - - - - -	5,232	42
Astronomical Observatory fund, gift, - - - - -	1,000	00
Undergraduate building fund for North College, gifts, -	559	05
Increase in sundry funds from income, - - - - -	6,151	84
	\$184,428	66

PAYMENTS EXCLUSIVE OF CURRENT EXPENSES

New investments, - - - - -	\$141,393	75
Willbur Fisk Hall, - - - - -	250	64
Expenses of sale of real estate in Meriden, - - -	124	25
	\$141,768	64

RECEIPTS FOR INCOME

Tuition (excluding \$11,242.50 remitted), - - - -	\$13,638	50
Rents, laboratory and other fees from students, - -	23,517	30
College dining hall, - - - - -	6,722	18
Women's dormitory, - - - - -	1,254	45
Sundries, - - - - -	1,139	52
Gifts for income account, special, - - - - -	1,842	50
Gifts for income account, general, - - - - -	847	34

Income from general endowment (including Trafton and Ayres funds),	-	-	-	-	-	-	-	\$32,628 63
Income from presidency and professorship funds,	-	-	-	-	-	-	-	30,405 53
Income from library endowments,	-	-	-	-	-	-	-	3,984 32
Income from Fayerweather Gymnasium fund,	-	-	-	-	-	-	-	1,338 00
Income from prize endowments,	-	-	-	-	-	-	-	327 00
Income from scholarship endowments,	-	-	-	-	-	-	-	2,110 49
Income from Crawford Memorial fund,	-	-	-	-	-	-	-	300 00
Income from Wesleyan Hospital fund,	-	-	-	-	-	-	-	89 02
From Carnegie Foundation,	-	-	-	-	-	-	-	512 48
Income from annuity funds,	-	-	-	-	-	-	-	4,762 50
								\$125,419 76

PAYMENTS FOR CURRENT EXPENSES

Maintenance and care of buildings and grounds,	-	-	-	-	-	-	-	\$43,542 30
Administrative expenses and incidentals,	-	-	-	-	-	-	-	18,320 27
College dining hall,	-	-	-	-	-	-	-	6,878 60
Women's dormitory,	-	-	-	-	-	-	-	1,838 37
Salaries,	-	-	-	-	-	-	-	70,650 00
Library, book purchases only,	-	-	-	-	-	-	-	2,896 67
Gymnasium (including salary of director),	-	-	-	-	-	-	-	2,566 06
Prizes, endowed,	-	-	-	-	-	-	-	327 00
Prizes, unendowed,	-	-	-	-	-	-	-	360 00
Scholarships,	-	-	-	-	-	-	-	2,110 49
Annuities,	-	-	-	-	-	-	-	4,762 50
Appropriations to departments, laboratories, library, and museum,	-	-	-	-	-	-	-	7,452 33
American School at Athens,	-	-	-	-	-	-	-	200 00
Retiring allowances,	-	-	-	-	-	-	-	637 48
Wesleyan Hospital fund,	-	-	-	-	-	-	-	88 96
Interest paid on loans and advanced on investments,	-	-	-	-	-	-	-	2,087 14
								\$164,718 17

COMPARATIVE SUMMARY OF PROPERTY

	1909	1910
University grounds, buildings, and contents,	\$1,080,216 19	\$1,080,466 83
Investments,	- - - - - 1,509,028 78	1,548,535 03
Cash,	- - - - - 21,322 60	24,684 21
Balance due from income account,	- - 51,290 69	91,486 03
		\$2,661,858 26
		\$2,745,172 10

University grounds, buildings, and contents,	\$1,080,216 19	\$1,080,466 83
Endowment funds, - - - - -	1,540,632 68	1,622,798 95
Balances, - - - - -	2,009 39	2,906 32
Bills payable, - - - - -	39,000 00	39,000 00
	<u>\$2,661,858 26</u>	<u>\$2,745,172 10</u>
Less income balances and bills payable, -	41,009 31	41,905 32
Total property, - - - - -	<u>\$2,620,848 87</u>	<u>\$2,703,265 78</u>
Increase, - - - - -	- - - - -	<u>\$82,416 91</u>

COMPARATIVE SUMMARY OF RECEIPTS AND EXPENDITURES

	1909		1910	
	Receipts	Expenditures	Receipts	Expenditures
General cash account, - -	\$102,716 15	\$100,152 82	\$184,428 66	\$141,768 64
Income account, -	123,540 08	135,331 33	125,419 76	164,718 17
Totals, - -	<u>\$226,256 23</u>	<u>\$235,484 15</u>	<u>\$309,848 42</u>	<u>\$306,486 81</u>

The total receipts from investments during the year were \$82,330.78. The income of the general investments has been divided at the rate of 5.352 per cent among the funds and balances to which these investments belong, no interest being allowed to the profit and loss account for general endowment and for Ayres scientific endowment, and only the interest called for by agreement being allowed on the annuity funds. The income remaining after the above division (\$7.28) has been added to the income of the general endowment funds. By vote of the board of trustees, the expenditures from any library, scholarship, or prize fund, in any one year, shall not exceed $4\frac{1}{2}$ per cent of the principal of said fund. Any income above $4\frac{1}{2}$ per cent shall be added to the principal of the fund.

During the year, payments of \$11,062.69 increased the alumni fund from \$77,574.57 to \$88,637.26. Of the new payments \$10,215.35 was credited to the general endowment fund, and \$847.34 to the general income account.

For the sake of clearness a statement of the annual deficit for the last five years is here presented:

1905-06, - - - - -	\$14,590 00
1906-07, - - - - -	7,572 14
1907-08, - - - - -	18,451 84
1908-09, - - - - -	15,325 69
1909-10, - - - - -	40,195 34
Accumulated deficit, June 30, 1910, - - - - -	<u>91,486 03</u>

Subscriptions to meet current expenses have been made as follows:

1904-05,	-	-	-	-	-	-	-	-	\$32,279 59
1905-06,	-	-	-	-	-	-	-	-	3,850 00
1906-07,	-	-	-	-	-	-	-	-	12,519 11
1907-08,	-	-	-	-	-	-	-	-	5,339 55
1908-09,	-	-	-	-	-	-	-	-	2,662 76
1909-10,	-	-	-	-	-	-	-	-	847 34

RECENT GIFTS

Hon. Watson C. Squire, '59, has paid his note for \$5,000, and that amount has been added to the new endowment. The legacy of \$5,000 from the estate of Rev. Charles H. Buck, '64, has been received and has also been added to the new endowment.

Rev. J. E. Adams, D. D., trustee of the Jane P. Fitch Benevolent Fund, has given \$1,000 to establish the James Montgomery Scholarship Fund.

The death of Miss Jennie M. Clarke, of Middletown, has released an annuity fund of \$10,000, which becomes the Samuel Dickinson Hubbard Scholarship Fund.

J. M. Van Vleck, '50, has given an additional \$1,000 for the Astronomical Observatory Fund. The Wesleyan University Alumni Athletic Association has paid \$270 on account of the salary of the director of the gymnasium. Mr. A. R. Crittenden has given \$100 for the Museum. For tuition \$250 has been received from A. J. Holden, '92, and \$500 from Charles Scott, Jr., '86. Mr. Charles L. Rockwell, of the Board of Trustees, has paid \$435.85 toward the cost of publishing the book describing the installation of President Shanklin. This gift pays the balance remaining after deducting the money received for copies of the book which were sold.

The Wesleyan Alumni Association of Philadelphia has contributed a prize of \$50 in memory of the late Cyrus David Foss, D. D., LL. D., president of Wesleyan University, 1875-80. This prize is to be awarded to that student who maintains the highest standing in the course in Advanced English Composition, elective for juniors and seniors.

The will of the late Samuel Wood Bowne contains the following bequest to Wesleyan University: one thousand dollars in cash, one hundred shares of stock in the Scott and Bowne Company (par value, one hundred dollars each), and bonds of the same company valued at two thousand dollars. It further establishes in the interest of Mrs. Bowne, a trust fund of which a portion nearly equal in amount to the bequest just mentioned is ultimately to be the property of the University.

ANNUAL MEETING OF THE ALUMNI ASSOCIATION

The annual meeting of the Alumni Association was called to order at 10 A. M., Tuesday, June 28, 1910. In the absence of the officials, A. W. Harris, '80, was elected president *pro tem*.

The committee on the proposition to establish an alumni general committee reported that it was deemed wise to postpone action for the present. The report was accepted and the committee continued.

The following officers of the Association were elected for the ensuing year:

President, E. B. Rosa, '86; *First Vice-President*, C. W. McCormick, '81; *Second Vice-President*, G. H. Bickford, '91; *Third Vice-President*, V. B. Swett, '96; *Recording Secretary*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, W. E. Fairbank, '93; *Executive Committee*, M. B. Crawford, '74; W. U. Pearne, '74; M. E. Culver, '75; J. F. Calef, '77; E. G. Derby, '83; *Alumnus Editor*, K. M. Goode, '04.

It was voted that the Association request the board of trustees hereafter to make a charge of \$1.00 for each ticket to the alumni luncheon.

There being no further business, the Association then adjourned.

ALUMNI ATHLETIC ASSOCIATION.

The annual meeting of the Alumni Athletic Association was held in Memorial Chapel, Tuesday, June 28, 1910, at 11 A. M. F. D. Beattys, '85, was appointed President *pro tem*., and H. A. Tirrell, '94, was appointed Secretary *pro tem*.

The following officers were elected: *President*, W. H. Hall, '92; *Vice-President*, A. F. Goodrich, '99; *Secretary-Treasurer*, H. B. Shonk, '03, 2 Rector St., New York City.

C. H. Garrison, '04, was elected a member of the athletic council for three years.

The committee appointed at the last meeting to confer with the Alumni Association was continued for another year.

After considerable discussion, a resolution was adopted appointing the alumni members of the athletic council a committee to arrange the matter of a football coach. The following resolution was also adopted:

Resolved, That this meeting unqualifiedly condemns the present absence of a college sentiment which would demand and enforce strict training by members of the athletic teams.

The alumni representatives on the athletic council for 1910-11 are as follows: L. E. Gordon, '94, term to expire July 1, 1911; S. V. Coffin, '89, (*President*), term to expire July 1, 1912; C. H. Garrison, '04, term to expire July 1, 1913.

APPOINTMENTS TO THE FACULTY

JOHN KENYON LAMOND, elected Instructor in Mathematics, was graduated from Rhode Island State College in 1907, with the degree of B. S. In his senior year he served as instructor in mathematics in the Rhode Island State College Preparatory School. He received the degree of M. A. from Yale in 1908 and that of Ph. D. from the same institution in 1910. His doctoral dissertation, entitled *Improper Multiple Integrals depending on a Parameter*, will be published soon.

ERNEST FRANCIS AMY, elected Assistant in English Literature, was graduated from Wesleyan University in 1909, with the degree of Bachelor of Arts. During the year 1909-10 he pursued graduate work in English in Wesleyan University.

RALPH EDGAR GOULD, elected Assistant in Physics, was graduated from Tufts College in 1909, with the degree of B. S. in electrical engineering. The year 1909-10 he spent in practical work.

DEPARTMENT NOTES.

LATIN.—About sixty lantern slides have been received from Berlin, illustrating mainly various types of classic art.

GREEK.—Among the permanent trophies of Professor Heidel's visit to Greece are a number of handsome photographs, which have been framed and hung in the Greek lecture-room, and several hundred lantern slides, representing scenes and objects of interest to students of Greek, which are being made from negatives taken for the purpose.

GERMAN.—Owing to Professor Fife's leave of absence for the second half-year, the following changes have been made in the courses: Course III is given only during the first half-year; Course VI, which would naturally be given in the second half-year, is omitted for the present year, and Course XI is given in the first half-year instead of the second as heretofore.

ENGLISH LITERATURE.—On the recommendation of the head of the department, the trustees at their meeting in June voted to give up the formal requirement of essays or orations from all members of the senior class. This action, however, should not be taken as implying any indifference to the value of practice in English composition or public speaking. A new course in public speaking for seniors is offered this year under the joint control of Professor Wetzel and Professor Winchester. Increased attention is paid to the written work required in seminary courses in several departments.

The speakers at Commencement, in competition for the Rich Prize, are to be selected on a plan, which, it is hoped, may stimulate careful writing on the part of a very large portion of the class. This plan, as voted by the faculty, is as follows:

Seniors wishing to compete for a position on the Commencement programme will be required to hand in two essays, the first due January 16, the second, April 10. These essays should not be less than two thousand words in length, nor more than about five thousand. They may be narrative, expository, argumentative, or persuasive in character; the subjects may be drawn from the field of college studies, literary, historical, economic, philosophical, or scientific, or from matters entirely outside the range of special college work; but the treatment of the subject must, in every case, be not technical, but rather literary and popular.

Every competitor must hand to the Professor of English Literature for criticism; four weeks before each essay is due, the subject he has chosen, with an outline of his plan of treatment. This subject with outline will be due, therefore, for the first essay, on December 12; for the second essay, on March 6. The completed essays will be criticized by the professor of the department with the writers individually.

From the competitors presenting these essays, sixteen, if there shall be more than that number competing, shall be chosen on the ground of the excellence of the essays; and from these sixteen not more than eight shall be selected as Commencement speakers, after a competitive trial in declamation.

CHANGES IN COURSES IN ENGLISH COMPOSITION.—Wesleyan has heretofore occupied an exceptional position among New England colleges, in requiring essays of all juniors and seniors. This year the requirement is abandoned, and a course in English composition, elective for juniors and seniors, is put in its place. The new course calls for a much larger amount of practice in writing than was the case under the old system, and is yielding results hitherto unattainable. This course is conducted by Professor Mead.

The work in sophomore essays has also been placed in charge of Professor Mead, who corrects the papers and meets the writers for individual criticism.

Several changes have been made in the required course in freshman English. The class recites now more frequently than it has regularly done before, meeting in sections twice a week through the year. Freshman English now counts as a three-hour instead of a two-hour course; the extra credit is given for reading done outside of class in standard literature, upon which a certain proportion of the essays

required in the course are written. The course, instead of being conducted by Professor Mead and an instructor conjointly, is this year conducted by Mr. Gillet alone.

PSYCHOLOGY.—The sum of \$250 has been given to the laboratory by Mr. D. A. Cutler, ex-'03. The money was given for the purchase of special apparatus as a memorial to Miss Zelia A. Cutler, '03, sister of the donor.

MATHEMATICS.—Owing to the increase in the teaching force in this department, it has been possible this year to divide the freshman classes into smaller sections. There are five sections in mathematics I and II this semester, averaging less than twenty men. In the same courses last year there were but three sections averaging over thirty men.

Course IV has been somewhat changed. It is now in large part a course in surveying. The course counts as two hours a week and consists of two hours of lectures and two hours of field work with the instruments under the personal direction of Doctor Lamond.

A change has been made in the entrance requirements in mathematics by adding advanced algebra to the list of elective requirements. It will count one-half point, as do solid geometry and trigonometry. In fulfillment of the requirement for the B. S. degree, advanced algebra may be substituted for solid geometry or analytic geometry but not for trigonometry. As heretofore, every candidate for the B. S. degree must take trigonometry, but he may now select as a second course advanced algebra, solid geometry, or analytic geometry.

PHYSICS.—A one-sixth horse-power, single-phase induction motor was added to the equipment of the department last summer.

GEOLOGY.—Courses I, II, III, and IV are to be given the present year. Course I (physical geography) is to be given by a special instructor, who has not yet been appointed. The remaining courses are to be given by Professor Rice. It has been deemed necessary to omit Courses V and VI (mineralogy) the present year, as Professor Rice's time is largely occupied with administrative duties, necessitated by President Shanklin's frequent absences on college business.

BIOLOGY.—A one-hour lecture course on personal and social hygiene is being given for the first time this year. The course is conducted by Professor Conn and is required of all freshmen.

The course is to cover all phases of personal hygiene, as well as those of the individual's relations to the community in which he lives. Under the head of personal hygiene are considered such subjects as exercise,

food habits, the care of the skin, the heart, the lungs, and the brain, mental study, and problems of sex hygiene. Under the head of social hygiene are considered all topics which bring the person into relation to the community in which he lives, including such as contagious diseases and their distribution, and the problems of municipal sanitation as they exist in the larger communities to-day.

The laboratory classes have increased so much that it is impossible to accommodate the students in the laboratory. It has been necessary, therefore, to divide them into sections and to double the time during which the laboratory is open for work. The laboratory is now open all day Tuesday, Wednesday, and Thursday, and on Saturday mornings.

A life history case has recently been installed in the biological laboratory by Doctor Whitney. This consists of specimens illustrating the embryology, life history, and metamorphosis of the chief groups of both vertebrates and invertebrates. Part of the material for the case was found in the museum, but a considerable part of it has been prepared specially for this collection by Doctor Whitney and some of the students in the department. The case is chiefly for the use of students in the advanced courses in biology.

CHANGES IN REQUIREMENTS FOR ADMISSION

During the past few years, two tendencies affecting the character of college entrance requirements have developed. The first of these has been the standardization, or precise and uniform definition, of the requirements in each subject specified. The other has been the allowance of greater freedom of election, with a consequent increase of the number of subjects accepted as satisfying the requirements for admission to college. The combined result of these changes is, therefore, to make more strict the requirements in individual departments, while permitting election from a wider range of subjects.

During the past fifteen years the teachers both in colleges and in preparatory schools have been trying to arrive at an agreement in both the quantitative and qualitative definitions of the subjects which are accepted by the colleges for admission. Thus the teachers of Latin, history, mathematics, and many of the other subjects, have established uniform standards. The colleges, however, were not prompt in accepting these changes when suggested individually. The organization and development of the College Entrance Examination Board has made it practically necessary for the high grade institutions which form its constituency to adopt the uniform standard definition of requirements in the various subjects. Accordingly, Wesleyan University completes, this

year, the necessary readjustment of its requirements by changes affecting the departments of Latin (see May *Bulletin*), history, mathematics, and physics.

With the increase in the number of students entering college, there has arisen in recent years constant difficulty in the administration of entrance requirements because many students do not make their decision to enter college until late in their preparatory school course, and so failed to meet the old requirements which were limited to a few subjects, mainly Latin, Greek, and mathematics. The colleges have gradually been recognizing this by increasing the number of subjects accepted. During the past few years constant pressure to this same end has been brought upon the colleges by the preparatory schools. Recognizing the reasonableness of certain of these demands, Wesleyan University has this year taken advanced ground in increasing the number of subjects from which elections may be made.

In Latin the amount of reading now required may be selected by the schools from a somewhat larger list of works than formerly, the examination is upon a smaller list of prescribed texts, and increased emphasis is laid upon sight translation. In history it was formerly possible to elect only two units; now a choice is possible among four such units, each representing a full year's work in a single field—ancient, medieval and modern, English, and American history and civil government. In mathematics, advanced algebra, counting as a half unit, is added to the subjects accepted. Biology, counting as a half unit, will hereafter be accepted as an alternative for the requirement in botany.

For a complete statement of the requirements for entrance, including full details of these changes, reference should be made to the new edition of the catalogue, which will appear in January, 1911.

UNIVERSITY NOTES

PUBLICATIONS.—During the summer there was published a volume entitled *The Installation of William Arnold Shanklin, L. H. D., LL. D., as Ninth President of Wesleyan University*. Besides an introductory account of the exercises, the book contains a verbatim report of all the speeches delivered at the various exercises of the day, reproductions of all programmes and other printed matter connected with the occasion, and lists of the trustees, faculty, delegates, invited guests, and alumni who were in attendance. A portrait of President Shanklin forms the frontispiece. The volume contains 154 pages and is neatly bound in dark red cloth. Copies may be obtained from the librarian of the University at one dollar each.

A new edition of Undergraduate Life at Wesleyan was published in May, and contains new illustrations and other changes to bring it up to date.

COBURN PLAYERS.—An excellent presentation of Shakespeare's *As You Like It* was given on the lawn at the Foss House by the Coburn Players on June 13.

BUILDINGS.—As usual various repairs were made in the different buildings during the summer. The most important work was the renovation of the first and second floors of Observatory Hall to adapt the rooms better for dormitory purposes.

At a special meeting of the Board of Trustees on December 2, arrangements were completed for the purchase of the Pike house and lot in College Place. This purchase gives the University control of the frontage on both sides of College Place, except the two corner lots at the south end of the street.

OLDEST LIVING GRADUATE.—On July 29, Reverend Bostwick Hawley, D. D., died at Saratoga Springs, New York. He was the last survivor of the class of 1838, the last surviving alumnus whose diploma was signed by Willbur Fisk, the first president of the University, and since the deaths of Daniel Henry Chase, LL. D., '33, in 1905, and of Bishop John Christian Keener, D. D., '35, in 1905, he had been the oldest living alumnus. The last survivor of the class of 1839 was the Honorable Hiram Willey of Hadlyme, Connecticut, who died March 8, 1910; and it was supposed that he was the oldest living member of a Connecticut legislature. Of the class of 1840, there remains a single survivor, Reverend John Wesley Lindsay, D. D., of Carlisle, Pennsylvania, who was Professor of Latin and Hebrew in Wesleyan University from 1848 to 1860. Thus he holds the double honor of being the oldest living alumnus and of being the oldest living person who has served on the faculty. There is only one surviving graduate of the class of 1841 and none from the class of 1842, so that the only other graduate now living who was a student under the administration of President Fisk is the Honorable George Greenwood Reynolds, LL. D., '41, of Brooklyn, New York, who was president of the Board of Trustees of the University from 1887 to 1903. It is probable that there still survive several non-graduates who were in the University under its first president.

SCHOLARSHIP REGULATIONS.—Several new regulations have been recently adopted by the faculty for the enforcement of the standards of scholarship, especially in connection with the demands for entrance with advanced standing, and for graduation in less than four years.

On May 31 the faculty voted: First, that no credit be given hereafter for work unless pursued under proper class instruction in preparatory school, summer school, or college; second, that students who complete at mid-year the required quota of studies for graduation, may have leave of absence for the rest of the year, graduating with their class in June; third, that students who claim to have pursued certain courses in school, for which they wish advanced standing in college, must take examinations in such subjects in the first half of the freshman year. Such examinations are to correspond in degree of difficulty to those of the corresponding courses in college, and grades are to be reported to the office.

On the same date the faculty voted to recommend to the Board of Trustees the following regulations, which were approved at the June meeting of the Board: That a charge of five dollars per hour of credit shall be made; first, for examination in studies not pursued in college, whether in preparatory school, or in summer school; second, for courses taken in excess of a quota of eighteen hours for the year.

Another vote of the faculty on the same date expressed the sense of the faculty: That the administration committee should only in very rare and exceptional cases allow a quota exceeding eighteen hours to a student whose average standing is below second grade.

PHI BETA KAPPA.—The regulations governing the election of undergraduate members of the society were changed last June to provide for the election of ten per cent of the senior class in November, and of an additional ten per cent in June. In pursuance of this change, the chapter, on November 10, elected to membership Margaret Anna Dutting, Middletown; Harold Putnam Frost, Waterville, Maine; William Randolph Montgomery, Stamford, Connecticut; and Elwyn Clark Parlin, South Framingham, Massachusetts.

FACULTY NOTES

PROFESSOR HEIDEL.—Professor Heidel has resumed his duties in the college after a half-year's absence abroad. During his stay in Greece, he joined an international party of archaeologists, conducted by Professors Doerpfeld and Karo, of the German Archaeological Institute, to Delphi, Olympia, Mycenae, Tiryns, Argos, and Epidaurus. Later he visited a score of universities in Italy, Switzerland, Germany, Belgium, and England, in order to meet the leading scholars in ancient philosophy and Greek.

PROFESSOR DODGE.—Professor Dodge has taken up his work again this fall, after a year of study and travel in Europe. He visited the more important psychological laboratories of Germany, the new laboratory of the University of Louvain, and the various psychological and ophthalmological laboratories in Paris. At the Marey Institute in Paris he learned the technique of the new Edelmann string-galvanometer, an instrument for recording the neuro-muscular currents of action. At Verworn's laboratory in Göttingen he studied the problems of nervous fatigue in connection with the simple human reflexes. Part of the results of this work is being published in the *Zeitschrift für allgemeine Physiologie*. In Berlin, he set up and demonstrated duplicates of three pieces of original apparatus which he had constructed for Stumpf's laboratory. In Innsbruck, at the Congress of Experimental Psychologists, he exhibited a representative set of his photographic records of the eye movements, showing their coöperation in various processes of visual perception.

MEETINGS ATTENDED.—President Shanklin attended the Commencement exercises at Trinity College, Hartford, on June 22, at which the degree of Doctor of Laws was conferred upon him. Later he was present at the matriculation day services of the Theological School of Boston University, October 11, and with Professor Nicolson he represented Wesleyan University at the fifty-third annual meeting of the Association of New England Colleges at Amherst, November 2-3. President Shanklin was present at the meeting of the Managing Board of the Methodist Brotherhood in New York on November 16. The University was represented by President Shanklin and Professor Dodge at the celebration of the twenty-fifth anniversary of the founding of Bryn Mawr College on October 22; by Professor Nicolson at the meeting of the College Entrance Examination Board in New York City on November 12; by Professor Conn at the inauguration of President Burton of Smith College in October; by Professor Fife at the New England Conference of College Teachers of Modern Languages, at Tufts College, on October 29, and by ex-President Raymond and Professor Armstrong at the dedication of the new buildings of Union Theological Seminary in New York on November 29.

Professor Rice attended a meeting in Columbus, Ohio, on May 10, of a Committee of the University Senate of the Methodist Episcopal Church, charged with the duty of a general investigation into the status of all the educational institutions under the patronage of that church; and President Shanklin and Professor Rice attended a second meeting of the same committee in New York on November 17 and 18.

Professors Crawford and Cady were present at a meeting of the American Physical Society at Columbia University on October 15. Professor Conn was a delegate from the Connecticut State Board of Health at the annual meeting of the American Public Health Association at Milwaukee, September 5-9.

On invitation of the Lancaster County Historical Society, Professor Kuhns took part in the celebration of the two hundredth anniversary of the first settlement of Lancaster County, Pennsylvania, delivering an address on "The Ethical Elements of the Pennsylvania Germans."

Professor Fife, J. E. King, '47, and G. S. Coleman, '76, were the delegates of the Connecticut Gamma (Wesleyan) chapter to the Triennial Council of Phi Beta Kappa, held at Columbia University, New York City, September 13-14.

Doctor Turrentine attended the New York section of the American Chemical Society, November 11, and presented two papers, one of which was on an investigation which he conducted in the chemical laboratory of Cornell University in the summer.

CONNECTICUT GEOLOGICAL AND NATURAL HISTORY SURVEY.—Two bulletins have been published recently by the Survey. One is an elaborate catalogue of the flowering plants and ferns of Connecticut, prepared by a committee of the Connecticut Botanical Society. The second is a report on mushrooms by Professor E. A. White of the Massachusetts Agricultural College. Professor Rice is at present supervising two other bulletins of the Survey which are going through the press. One of these is a paper on the Lithology of Connecticut, by Professor Joseph Barrell, of Yale University, and Doctor G. F. Loughlin, of the Massachusetts Institute of Technology. The other is the first part of an elaborate work on the Insects of Connecticut, in preparation by a number of specialists, under the general direction of Dr. W. E. Britton, Entomologist of the Connecticut Agricultural Experiment Station in New Haven.

GERMAN BOOK CLUB.—Several members of the faculty and others interested in German literature have formed a book club for the circulation of contemporary works in German fiction, verse, and drama. Each subscriber pays three dollars per year, receiving therefor one new book every two weeks, which after being read is passed on to the next member on the list. After being read by all, the books are added to the German collection in the University Library, the German department paying several subscriptions, and the general library fund the cost of binding.

YOUNG MEN'S CHRISTIAN ASSOCIATION

By a vote of the Board of Trustees the general supervision of the work of the association has been placed in the hands of a general secretary, and Chester Miller Knight has been appointed to the position. Mr. Knight received the degree of Ph. B. from Syracuse University in 1908 and that of B. D. from Drew Theological Seminary in 1910. An office at Room 1, East Hall, has been provided for the general secretary, and Mr. Knight may be found there from ten to one o'clock daily.

The plans for the courses in Bible study for 1910-11 include the use by the upper classes of Wright's "Will of God" and by the freshmen of Bosworth's "Life of Christ."

In the former course groups of ten or twelve men meet weekly under the guidance of leaders chosen from the faculty, Professors Winchester, Harrington, Cady, and Hewitt, and Mr. Knight. The freshmen groups are led by members of the junior class—Buck, H. D. Jones, Rothrock, and Wallis. More than one hundred and twenty-five men have been enrolled. In the second half-year the place of the Bible study will be taken by classes in home and foreign missions and comparative religions.

The employment bureau, hitherto conducted by Professor Nicolson, through which students are assisted in securing employment during the college year, has been transferred to the charge of the general secretary. Prospective students may receive advance information on this matter by writing to Mr. Knight.

Reverend Lynn Harold Hough of Brooklyn spent the first week of December at the University conducting a series of inspiring services under the auspices of the Association and affording students an opportunity for personal conferences.

UNDERGRADUATE NOTES

DEUTSCHER VEREIN.—On June 8, in the Fayerweather Gymnasium, members of the Verein presented before an audience of invited guests the third act of Shakespeare's *Wie es euch gefällt*, and a two-act comedy by Roderich Benedix, *Die Hochzeitsreise*. It is planned to present in the course of the winter term a performance of some longer drama. On October 15, the Verein celebrated its first birthday with exercises which included an illustrated lecture by Mr. F. W. J. Heuser, of Columbia University, on *Heinrich Heine und die Harzreise*. The Verein now has a full list of members—twenty-five active members and five freshmen—and a waiting list. A reading-room is maintained in East Hall for the members, and several German periodicals are kept on file.

WESLEYAN BOOKSTORE.—The bookstore, which has been conducted during the past two years by R. W. Eaton, '12, in North College, has been removed to larger quarters in the northern wing of East Hall. In addition to books and stationery, the stock includes many other articles which are in demand among the students. Mr. Eaton gives employment to several students as clerks.

PRESIDENT OF THE COLLEGE BODY.—The president of the College Body during the present year is Franklin Seymour Garman, '11, of Camden, New Jersey.

UNDERCLASS SOCIETIES.—By action of the undergraduates in the spring of 1909, the freshman class societies were abolished. These were Kappa Gamma, which had been organized in 1872; and Pi Kappa Tau, which had been established in 1891. In June, 1910, similar action was taken for the abolition of the sophomore class societies, Theta Nu Epsilon, established in 1870, and Zeta Phi, established in 1877. This action was confirmed by a vote of the faculty on October 25, forbidding any student to hold membership in any freshman or sophomore class secret society.

ATHLETIC FINANCE.—On May 18, after investigating the methods of financing undergraduate athletics in other colleges, a committee reported to the College Body a scheme for the purpose, which was adopted and is being put in operation this year. The scheme provides for a tax of fifteen dollars on each undergraduate. The income thus derived is apportioned for the expenses of the College Body, and of the five sports, football, basketball, baseball, track, and tennis. The payment of the tax entitles the student to attendance on all home games and to the other privileges heretofore conveyed by membership in the athletic association.

DEBATE.—Of the regular speakers on the debate teams of last year only three remained at the beginning of the present college year. The Debating Union was organized with the following officers: President, Wriston, '11; manager, Montgomery, '11; assistant manager, Coit, '12. Trials have been held for the speakers in the triangular league debates, the subject of which is the income tax amendment. Montgomery, '11, and Panunzio, '11, with H. D. Jones, '12, as alternate, were chosen to speak at Williamstown on the negative side. Wriston, '11, and Hancock, '13, with Buck, '12, as alternate, were selected to defend the affirmative against Amherst at Middletown.

The members of the freshman class who are interested in debate have organized a freshman debating society, with Raymond as manager. On December 8, the freshman team, composed of Mott and Raymond,

defeated the sophomore team, Murphy and Rice, in the annual interclass debate.

A chapter of Delta Sigma Rho, a society whose membership is confined to intercollegiate debaters, was installed in June and the following men initiated: Brengle, '10, Roberts, '10, Stuntz, '10, and Wriston, '11. At a second initiation held in October, Panunzio, '11, and Judd, '11, were added.

JUNIOR EXHIBITION

The dropping of the old requirement of junior essays has made necessary some change in the method of appointment to the Junior Exhibition. Hereafter the sixteen juniors whose standing in sophomore essays is highest will compete in a declamation contest. Of the contestants the eight who attain highest rank in composition and declamation will be appointed to speak at the Junior Exhibition.

NEW ALUMNI RECORD

The trustees at the annual meeting in June, 1909, authorized the publication of a new edition of the Alumni Record, under the editorship of Professor Nicolson. The material was collected by May of this year, has since been edited, and will be delivered to the publishers early in January. It is expected that the book will be ready by April or May of next spring. The price will probably be two dollars (bound copy, two dollars and a half). The record of alumni has been prepared in the same form in which it appeared in the edition of 1883, with the addition of the fraternity relationship of each alumnus. The Record of 1883 was the most complete college record published up to that time, and this new edition, if issued without abridgment, will, it is thought, surpass that of any other college in fullness of information. It will include, among other things, the full family record, with birth and death of children, marriage of daughters, graduation from college, etc. The non-graduate record this year will probably be less full than that of 1883. The record of honorary alumni and of the faculty (not graduates) will be about as before. The bibliography will be omitted in this edition as a separate part of the book, but in the case of the faculty and the graduates a more or less complete list will be given of the books which they have written or edited. So far as can be foreseen, the book when published will contain from 800 to 1,000 pages. A circular will be sent at an early date to alumni and former students, giving full particulars, and asking for subscriptions.

RECENT COLLEGE APPOINTMENTS

Class

- 1895 Clifford Pease Clark. Instructor in Latin, Dartmouth College.
- 1895 Colbert Searles. Associate Professor of Romance Languages, Leland Stanford Jr. University.
- 1900 Arthur Wesley Browne. Professor of Inorganic and Analytical Chemistry, Cornell University.
- 1902 James Marshall Dearborn. Assistant Librarian, College of Liberal Arts, Boston University.
- 1903 George Franklin Strong. Librarian, Western Reserve University.
- 1904 Harry Leslie Agard. Instructor in Mathematics, Yale University.
- 1905 Henry Foster Adams. Assistant in Psychology, University of Chicago.
- 1905 Frank Chester Becker. Instructor in Philosophy, University of California.
- 1905 John Bates Eyster. Instructor in German, College of the City of New York.
- 1905 Albert Mann, Jr. Thayer Scholar, Harvard University.
- 1906 Charles Frank Phipps. Instructor in Natural History, Department of Education, University of Chicago.
- 1906 George Wiley Sherburne. Instructor in English, Beloit College.
- 1907 Adolph Burnett Benson. University Fellow in Germanic Languages, Columbia University.
- 1908 Donald Monroe Gilbert. Instructor in French, Northwestern University.
- 1908 Herbert Parsons Patterson. Assistant in Philosophy, Yale University.
- 1909 Ernest Francis Amy. Assistant in English Literature, Wesleyan University.
- 1909 Clarence McKinlay Sherwood. Assistant in Inorganic Chemistry, Cornell University.
- 1909 Stanley Davis Wilson. Instructor in Geology and Assistant in Chemistry, Washburn College.
- 1909 Harvey Alden Wooster. University Fellow, Yale University.
- 1910 Willis Alexander Gibbons. Assistant in Chemistry, Cornell University.

Non-Graduates

- 1870 Harry Burns Hutchins. President of University of Michigan.
- 1896 Lucius Moody Bristol. Robert Treat Payne Fellow, Harvard University.

— THE —
WESLEYAN UNIVERSITY BULLETIN
MIDDLETOWN, CONNECTICUT



BULLETIN 48 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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MIDDLETOWN, CONNECTICUT
PELTON & KING



CALENDAR

June 2	Friday	9:00 A. M.	Final examinations will begin.
June 17	Saturday	5:00 P. M.	Preliminary meeting, Phi Beta Kappa.
June 17	Saturday	8:15 P. M.	Concert by the Musical Clubs.
June 18	Sunday	10:30 A. M.	Baccalaureate sermon, by President William Arnold Shanklin, L.L. D.
June 18	Sunday	4:00 P. M.	Semi-centennial celebration of the Army and Navy Union.
June 18	Sunday	7:30 P. M.	University Sermon, by Reverend Alexander Harrison Tuttle, D.D.
June 19	Monday	9:00 A. M.	Examination of College Entrance Examination Board will begin.
June 19	Monday	9:00 A. M.	Annual meeting, Phi Beta Kappa.
June 19	Monday	11:00 A. M.	Final Chapel Exercises. Award of prizes and of preliminary honors.
June 19	Monday	2:00 P. M.	Class Day Exercises.
June 19	Monday	4:30-6:30 P. M.	President's Reception.
June 19	Monday	6:00-9:00 P. M.	Class Reunions. Reunion of Army and Navy Union.
June 19	Monday	8:00 P. M.	Meeting, Board of Trustees.
June 19	Monday	9:00-11:00 P. M.	Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
June 20	Tuesday	9:00 A. M.	Meeting, Board of Trustees.
June 20	Tuesday	9:30 A. M.	Meeting of the Alumnæ.
June 20	Tuesday	10:00 A. M.	Meeting, Alumni Association.
June 20	Tuesday	12:00 M.	Meeting, Alumni Athletic Association.
June 20	Tuesday	12:30 P. M.	University Luncheon.
June 20	Tuesday	3:30 P. M.	Baseball Game, Alumni vs. Varsity.
June 20	Tuesday	5:00-7:00 P. M.	Fraternity Receptions.
June 20	Tuesday	8:00 P. M.	Phi Beta Kappa Oration, by Professor Frederick Morgan Davenport, Ph. D.
June 21	Wednesday	10:30 A. M.	COMMENCEMENT. Contest for the Rich Prize. Conferring of Degrees.
Sept. 20	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Sept. 21	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President

SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices

LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

WITH slight interruption President Shanklin has devoted himself throughout the collegiate year to the raising of the additional million for endowment. The results thus far have been gratifying, and afford good grounds for the confidence of the President and the special committee of the trustees that the fund will be completed before December 31, 1911.

On February fifteenth, Henry Cruise Murphy Ingraham, LL. D., President of the Board of Trustees of Wesleyan University, died at his home in Brooklyn in his seventy-third year. Elected a trustee in 1897, his eminently judicial and yet progressive type of mind marked him out as the most suitable head of the Board of Trustees upon the retirement of Judge Reynolds as President of the Board in 1903. Judge Ingraham was a man of great breadth of view and universally recognized as a wise counsellor and an able administrator. His incorruptible integrity, his unfaltering devotion to duty, and his unobtrusive kindness in all his personal relations endear his memory as a noble representative of the college he loved and served so well.

At the outbreak of the Civil War, students of Wesleyan University were among the first to enlist, and took an honorable part in many important engagements. On the coming Baccalaureate Sunday it is hoped that all the Wesleyan survivors of the Civil War will be present to participate in a reunion, which will be of unique interest. It is expected that there will be brief addresses by several Wesleyan veterans.

The resignation of Mr. Howard Roland Reiter as Director of the Gymnasium is a source of personal regret even to those who have comparatively little interest in athletics. During the six years of his service at Wesleyan Mr. Reiter's influence has been uniformly exerted in upbuilding manliness of character and genuine sportsmanship in all athletic contests and has been felt far outside of his immediate field of labor. The best wishes of his colleagues in the Faculty and of every undergraduate go with him to his new and more responsible position.

The completion of the new Alumni Record, the first unabridged edition since 1883, will be a great satisfaction to every one interested in the history of Wesleyan University. Every detail of importance in the career of all the graduates and non-graduates since the foundation of the University is here accurately and compactly presented, together with an elaborate index. The low price of the book (two dollars a copy, bound copies two dollars and a half) will hardly pay the cost of publishing, but the alumni and other friends of the University are urged to subscribe liberally so as to make the deficit as small as possible. Application for copies should be made to the editor, Professor Frank W. Nicolson.

NINETIETH BIRTHDAY OF JUDGE REYNOLDS

At a meeting of the Faculty held on February 4, 1911, Professor Rice read the following letter which he had composed at the request of the President, to be sent to Judge Reynolds on his ninetieth birthday. It

was voted that the members of the faculty append their signatures to the letter, and that it be incorporated in the minutes of the faculty.

To the Honorable George Greenwood Reynolds, LL. D.:

HONORED SIR:—We, the faculty of Wesleyan University, desire to offer our most hearty congratulations on your ninetieth birthday.

We are grateful for the years of life, so far exceeding the three score and ten of ordinary expectation, which a kind Providence has given you. We respect those traits of character to which, we believe, in large degree, your long life has been due. We love to honor one who, under the strain of exacting duties and great responsibilities, has maintained a serenity of spirit, and a temperance in thought and deed, which have preserved mental and physical vigor from premature exhaustion, and have made possible so long a career of usefulness.

We are grateful for the honors which you have gained in your professional life. The brilliant success of your career at the bar has been won so honorably that your associates have, without envy, rejoiced in your achievements. When called to the bench, you have adorned the high position by your legal learning, your judicial wisdom, and your spotless integrity.

We rejoice in your career as a member of the Christian church. You have been abundant in service in the local churches with which you have been associated, and your counsels in the general conference of your own denomination, and in the boards presiding over the benevolent work of the church, have been of the highest value.

Especially, with grateful pride, we think of your relation to Wesleyan University. You are now our oldest alumnus in active professional life, and, with one exception, our oldest living alumnus. When a change in the charter of the college first gave to the body of alumni the privilege of representation in the board of trustees, you were fitly chosen as one of the first group of their representatives. You have been repeatedly elected to that position by your fellow alumni with substantial unanimity until you are now one of the two senior members of our board. For sixteen years, with graceful dignity, sound judgment, and loyal devotion you have served as president of the board. We heartily appreciate the faithful and effective service which you have rendered to the college in the forty years of your trusteeship. We are grateful for the gifts in times of need, in which your love for the college has found expression, and especially for the gift which so auspiciously heralded the beginning of a new administration. As we think of the purity of your life, and your abundant usefulness in church and state, we love to

recognize you as preëminently the representative alumnus of Wesleyan University.

Grateful for the four score years and ten of life already granted you, grateful for the health and soundness of mind and body which still are yours, we cherish the hope and join in the prayer of your many friends, that you may long be spared for vigorous life and fruitful service.

Servus in caelum redeas.

WESLEYAN UNIVERSITY.

February seventh, nineteen hundred and eleven.

THE BISHOP HENDRIX ANNIVERSARY

The friends of Bishop Eugene Russell Hendrix, '67, celebrated the completion of his twenty-fifth year in the episcopacy of the Methodist Episcopal Church, South, at Kansas City, Missouri, on May 18th. His *Alma Mater* was represented on this occasion by Professor Clarence Abiathar Waldo, '75, of Washington University, St. Louis, Missouri, who presented a congratulatory address from the faculty of Wesleyan University.

HENRY CRUISE MURPHY INGRAHAM

Henry Cruise Murphy Ingraham was born May 2, 1838, in Amenia, New York. He died February 15, 1911, in Brooklyn, New York. He prepared for college in the academies at Amenia and Wilbraham, and was graduated from Wesleyan University in 1864. During his student years he showed the same breadth of intelligence, fine literary taste, clearness of judgment, force of character, and stainless integrity, which made him so influential and so useful in later life.

After his graduation he studied law, and began the practice of the profession in Brooklyn, New York, in 1866. He kept an office in the same street until his death. His thorough knowledge of law and his genuine honesty won for him confidence and honor. Matters of great importance were constantly entrusted to him. For several years he was counsel to the Bridge Commission of New York and Brooklyn. He was president of the Brooklyn Bar Association from 1899 to 1903. In 1903 he received the degree of LL. D. from Wesleyan.

While he held at no time any public office, he was yet a public spirited citizen, ready to give time and service to every good cause. He was

particularly a trusted counsellor in the affairs of the Methodist Episcopal Church, of which he was a life-long member. He was a trustee of Peking University, China; a member of the Board of Education of the Methodist Episcopal Church; and a member of the Board of Managers of the American Bible Society.

He was always most deeply interested in the affairs of Wesleyan University. His family was one of those most intimately related with the college. Two of his brothers, Richard and William Murphy, were graduates of the college, and a third, Timothy Murphy, took a part of the college course in Wesleyan. Mr. Ingraham married Winifred E. Andrews, a daughter of Bishop Edward G. Andrews, of the class of 1847. Of Mr. Ingraham's children, three have been graduated from Wesleyan University, Henry A., Edward A., and Olin. Mr. Ingraham was elected a member of the Board of Trustees of Wesleyan University in 1897, and in 1903 he became president of the board. He was no merely nominal member of the board. He gave unstintedly his time and thought and strength to the interests of the college.

In the midst of a busy life, he was always a thoughtful reader of the best literature. He was a true friend, and his home life was remarkably beautiful. His character was profoundly religious, and in the local church of which he was a member he was always a potent influence. In the last years of his life, he was well aware that he was a victim of incurable disease, and that the end might come suddenly; but he bore himself patiently, cheerfully, trustfully, not brooding over his own mortal wound, but giving his thought lovingly and loyally to his clients, to his family, to the University, and to the church. His loss will be deeply felt in many circles; nowhere, save in his own home, so deeply as in the University which he loved so much and served so faithfully.

THE ALUMNI RECORD

In accordance with the authorization of the board of trustees, a complete alumni record of the college has been prepared and placed in the publishers' hands. This will be the first complete alumni record published by the college since 1883. That edition was the most complete of any college record that had appeared up to that time. The edition of 1911, while not so complete as regards non-graduates and bibliography, will, in other respects, be even more complete than the earlier edition. The book will contain the following:

(1) An historical sketch of the college by Professor Winchester, in continuation of the sketch in the edition of 1883; (2) a continuation of the annals of the college from 1883 to the present time; (3) a list of the trustees and faculty of the college, from the beginning, with a record of the members of the faculty not graduates of the college, complete except as regards family records; (4) the record of the alumni, giving the following items of information: (*a*) number in order of graduation and name in full; (*b*) relationship to other graduates or former students; (*c*) college degrees from Wesleyan or elsewhere, with dates; (*d*) membership in Greek letter fraternities now in existence at Wesleyan, including Phi Beta Kappa, and in the Commons Club; (*e*) date and place of birth; (*f*) record for each year since graduation, including statement of positions of honor and trust; (*g*) a bibliography giving titles and dates of publication of books written or edited; in case there are a considerable number of such works, the titles of only three or four of the most important will be given; (*h*) if married, date of marriage, with maiden name and residence of wife; (*i*) names of children, with dates of birth and of death if deceased, names of husbands of married daughters, degrees and date of graduation from Wesleyan or other institutions; (*j*) address, or, in case of death, date and place of decease; (5) the record of non-graduates, giving the same information as for the graduates, except for the condensation of the statement concerning career since leaving Wesleyan, and the omission of the family record; (6) record of the honorary alumni on the same plan as the record of the non-graduates; (7) record of those who, not being graduates of Wesleyan, have received masters' degrees on examination; (8) a general index of all names in the book, with page or other reference.

The book will appear about the first of June. It is hardly expected that enough will be received from the sale of the book to pay the cost of publishing, but the alumni and other friends of the college are urged to subscribe liberally so as to make the deficit as small as possible. The price of the book has been fixed at two dollars a copy, bound copies two dollars and a half. Subscriptions should be sent to Professor F. W. Nicolson, secretary of the faculty.

NEW ALUMNI COMMITTEE

Early last winter President Shanklin held a conference with Woodrow Wilson, then president of Princeton University, relative to the Princeton Alumni Council. In January, Professor Nicolson spent a day at Princeton with Secretary Murray, the head of the Princeton alumni organization.

As a result of these investigations a committee of Wesleyan men has been formed, to which the alumni associations of New York, Philadelphia, and Boston have appointed representatives, as follows: E. A. Wilkie, '76, *Chairman*; W. D. Leonard, '78; Charles Scott, '86; V. B. Swett, '96; K. M. Goode, '04; and G. I. Bodine, Jr., '06. This committee will consider plans for organizing the alumni of Wesleyan University in a manner similar to that now in use at Princeton, and will report to the Alumni Association at its Commencement meeting.

TRUSTEE MEETINGS

A meeting of the board of trustees was held Friday, December 2, 1910, at two o'clock P. M., at 150 Fifth Avenue, New York City. In the absence of President Ingraham, Dr. William V. Kelley was elected president *pro tempore*. In the absence of the secretary, Rev. D. G. Downey, Mr. George S. Coleman was appointed secretary *pro tempore*.

President Shanklin submitted a brief report on the financial condition in relation to the million dollar endowment fund, and recommended the appointment of a committee on endowment. The following were appointed: Messrs. John C. Clark, John Gribbel, William T. Rich, James N. Brown, Charles Scott, Charles L. Rockwell, William H. Burrows, George N. Bennett, and President Shanklin.

Consideration and action on the matter of a proposed Wesleyan graduate council was referred to the same committee.

Dr. W. V. Kelley and Mr. J. E. Leaycraft were appointed a committee to prepare suitable resolutions on the death of Mr. Bowne.

It was voted to increase the tuition fees and incidental charges to \$140, beginning in 1911-12.

Voted to purchase the Pike property on College Place.

Voted to increase the price of board at the college dining hall to three dollars a week, beginning January 1, 1911.

Voted to proceed with the publication of the Alumni Record according to the outline suggested by Professor Nicolson, the editor.

The secretary was instructed to send to Mr. Ingraham, the president of the board, a message of sympathy, expressing the hope that he would soon be restored to health.

An adjourned meeting of the board of trustees was held April 21, 1911, at two P. M., at 150 Fifth Avenue, New York. Dr. J. M. Buckley was elected chairman.

President Shanklin made an oral report concerning the progress of the endowment fund.

George G. Reynolds, A. W. Hazen, and J. M. Buckley were appointed a committee to draft suitable resolutions on the death of H. C. M. Ingraham, late president of the board.

The resignation of D. W. Northrop as trustee was accepted, and the secretary was requested to extend to Mr. Northrop the appreciation of the board of his long and valuable services.

The board voted to confer certain honorary degrees recommended by the academic council.

Edgar Fauver, A. B., M. D., was elected associate professor of physical education for two years.

A vote of appreciation was tendered to the following persons for gifts toward current expenses and the work of the University—A. J. Holden, for a gift of \$250 for tuition; Charles Scott, a gift of \$500 for tuition; C. L. Rockwell, a gift of \$435.84, paying for the expense of publishing the Installation Book issued at the time of the inauguration of President Shanklin; D. A. Cutler, ex-'03, apparatus for psychological laboratory, in memory of his sister, Zelia A. Cutler, '03, \$250; Connecticut Gamma of Phi Beta Kappa, \$19.36, for the library; C. L. Newton, '02, for services in settlement of the Gould legacy.

George G. Reynolds presented the following resolution, which on motion was adopted.

"This board hereby expresses its sincere thanks to Miss Sarah Wise for her recent generous surrender to Wesleyan University of the income which was due to her for her life from the liberal gift of \$10,000 made by her father, the Rev. Daniel Wise, D. D. She thus not only endorses his noble benefaction, but joins with him in a contribution to a cause which is dear to all our hearts in a spirit which calls for our very hearty appreciation."

It was voted that \$5,000 of the Daniel Wise legacy be set apart to establish the Daniel Wise Library Fund for the purchase of scientific books, and \$5,000 for the Daniel Wise Apparatus Fund for the purchase of natural objects and apparatus for the purpose of scientific demonstration.

Professor Armstrong was granted leave of absence for the academic year 1911-12.

J. M. Buckley, A. J. Palmer, Charles Scott, C. L. Rockwell, and William T. Rich were appointed a committee to present nominations for officers and committees at the annual meeting.

MINUTES ADOPTED BY THE BOARD OF TRUSTEES

During the year death has removed two useful and honored members of this board, both graduates of the class of 1864.

The Reverend Charles Henry Buck, Doctor of Divinity, of Yonkers, New York, became a trustee of Wesleyan University in 1902, and was treasurer of the board from 1902 until 1907.

His death on January 12, 1910, was a loss to the Methodist Church, which he had served with efficiency and distinction; to the University whose loyal son he was, and to this board, which had learned to rely on his prudence, his industry, his capacity for business, his generosity, and his good sense. In daily life his pure heart and sound mind informed by travel and work and large experience of men found expression with unflinching courtesy, modesty, and good humor.

We offer to his family our respectful sympathy.

George Slocum Bennett, of Wilkes-Barre, Pennsylvania, was a member of this board for twenty years and until his death on January 2, 1910, he served the University with diligence. He was wise in counsel and liberal in giving. His enthusiasm and steadfast loyalty were examples to those who were associated with him. Conscience controlled his life, and he was dutiful and efficient in his church and active and progressive in the philanthropies of his native city, but in work for the University his sense of duty was quickened by the eager college spirit which glowed as brightly in manhood as in youth.

We respectfully tender our sympathy to his family.

Bishop Cyrus David Foss graduated from Wesleyan University in 1854. He was one of three brothers who, in their respective classes, were distinguished for brilliant scholarship. He became president of the University in 1875, and filled that office until 1880, when he became a bishop of the Methodist Episcopal Church. He continued to be a trustee of the University until his death on January 29, 1910. Valedictorian of his class, he continued to be a distinguished scholar. As president, he was a successful administrator, and his relations to the faculty and the students were all that could be desired. He rendered important service in increasing and wisely expending the revenues of the college. As a trustee he was regular at the meetings of the board;

he took an active part in its deliberations and exercised over his colleagues the influence that belonged to wisdom and experience. He spoke eloquently at the public festivals of the University. He was highly honored among the bishops of the church and rendered varied and excellent services as a citizen and as a preacher. But we think rather of the nature of the man than of the things he did. Whatever he accomplished was the expression of a noble character. He was an embodiment of manliness and abounding strength. His religious faith was ardent and unwavering. Deeply pious, he was without a trace of asceticism and gloom. His plan of life was drawn by duty, but it took account of merriment as well as wisdom, of enjoyment as well as endurance, and found place for the exercise of affections and tastes, sympathies and enthusiasms. No name sooner than his came to our minds when we thought of what Wesleyan had accomplished in the past or by what ideals it should direct its future.

We shall miss him at the meetings of our board. We shall miss him as an example, and with all our pride and admiration there is mingled an affection which may make the expression of our sympathy a not unworthy offering to his family.

The board of trustees express their deep sense of the loss the University has sustained in the death of Samuel Ward Loper, for sixteen years curator of the museum. The collections of the University are a monument to his zeal and untiring industry. Some of them were gathered by his skill and labor, all of them have been preserved and made more useful by his assiduous care. We desire to associate ourselves with the discriminating appreciation of his work and character contained in the minute of the faculty of April 20, 1910. His name belongs on that shining list of loyal, truth-loving, unselfish men, whose lives have honored the University and who have given to it the full measure of devotion.

We tender our respectful sympathy to his family.

RECENT GIFTS

Since July 1, 1910, additional payments of \$855.85 have been received for the undergraduate building fund for North College; and further payments to the alumni endowment fund have been made amounting to \$2,786.62.

Since the publication of the last *Bulletin* the new endowment fund has been increased by the Gould legacy of \$1,850, by the payment of \$583.32 on account of the Bowne legacy, and by a gift of \$3,000 made by S. H. Olin, '66.

Professor J. M. Van Vleck, '50, has given an additional \$1,000 for the Astronomical Observatory fund. A friend of the department of chemistry has given \$150 to establish a special library fund, the income to be spent in the purchase of library books for that department.

Various members of the board of trustees have made payments aggregating \$6,700 on account of their subscriptions toward the deficit of 1910-11. The Connecticut Gamma of Phi Beta Kappa has given \$19.36 for the purchase of books for the library. D. A. Cutler, ex-'03, has given \$250 for the purchase of apparatus for the psychological laboratory, in memory of his sister, Miss Zelia A. Cutler, '03.

By the recent death of Miss Elizabeth J. Mead of Stamford, Connecticut, the income of an annuity fund of \$67,250 can be devoted to certain specified objects. In accordance with an agreement made with Miss Mead the following special funds have been established from the principal of the annuity fund: Reverend Nathaniel Mead scholarship fund, \$2,250; Elizabeth J. Mead library fund, \$5,000; Benjamin L. Waite professorship fund, \$60,000.

Miss Sarah L. Wise has released the University from any further obligation to pay her an annuity on the Daniel Wise legacy of \$10,000. At the last meeting of the board of trustees it was ordered that \$5,000 of the Daniel Wise legacy be set apart to establish the Daniel Wise library fund, for the purchase of scientific books; and \$5,000 for the Daniel Wise apparatus fund, for the purchase of natural objects and apparatus for scientific demonstration.

LIBRARY

Since the report published in the *Bulletin* for May, 1910, the endowment of the library has been increased by the transfer from income of \$725.62. A friend of the department of chemistry has given \$150 to establish a special library fund, the income of the fund to be spent in the purchase of books for the department. By the death of Miss Elizabeth J. Mead of Stamford, Conn., the income of an annuity fund is set free for specific purposes. \$5,000 of the principal of the annuity fund is to form the Elizabeth J. Mead Library Fund. At the last meeting of the board of trustees, \$5,000 of the Daniel Wise legacy was

set apart to establish the Daniel Wise Library Fund, for the purchase of scientific books. The total endowment is \$99,414.01.

The number of volumes accessioned from May 1, 1910, to April 30, 1911, was 2,835. They were obtained as follows: by purchase, 1,067; by binding periodicals, 398; by exchange, 5; by gift, 1,365; deducting 16 volumes exchanged, sold, or lost, there remains a net addition of 2,819 volumes. The total number of volumes in the library at the present time is 86,700.

Among the more important accessions of the year are the following: *Annalen der Chemie*, vols. 221-267, completing set; *Archiv für Religionswissenschaft*, vols. 1-11; Buffalo Historical Society publications, vols. 3-11; Dehmel, *Gesammelte Werke*, 10 vols.; Ebner-Eschenbach, *Gesammelte Schriften*, vols. 1-9 (in course of publication); *Encyclopaedia Britannica*, 11th edition, vols. 1-14 (in course of publication); Fechner, works in 10 vols.; Furtwängler, Reichhold and Hauser, *Griechische Vasenmalerei*, third series (in course of publication); Hagen, *Atlas stellarum variabilium*, series 1-6; Harriman Alaska Expedition, vols. 5, 8-13, completing work so far as published; Harvard Historical Studies; Hebbel, *Briefe*, 8 vols., and *Tagebücher*, 4 vols.; Higden, *Polychronicon*, 9 vols. (Rolls series edition); Huggins, *Scientific papers*, 2 vols.; *Kantstudien*, vols. 10-14, and *Ergänzungshefte*, 1-13, completing set; Lavissee, *Histoire de France*, 8 vols. in 16; Lavissee et Rambaud, *Histoire générale*, vols. 1-7, completing set; Lee, *History of North America*, 20 vols.; Liliencron, *Sämmtliche Werke*, 17 vols.; New English (Oxford) Dictionary (in course of publication); *Poetae latini aevi Carolini*, 4 vols.; *Political History of England*, ed. by Hunt & Poole, 12 vols.; *Rendiconti del circolo matematico di Palermo*, vols. 1-26; *Revue de Méta-physique et de Morale*, vols. 1-16; *Revue Hispanique*, vols. 1-19; Riehl, *Geschichten und Novellen*, 7 vols.; Rosegger, *Schriften*, 40 vols.

From May 1, 1910, to April 30, 1911, 7,977 books and periodicals were drawn from the library for home use. In addition, 1,559 volumes were withdrawn from general circulation and reserved for special use either in the library or in the seminary rooms. This is an increase of over 27 per cent. in number of volumes circulated, and of over 91 per cent. in the number of volumes reserved. The current numbers of 86 periodicals were sent to the seminary rooms or laboratories for the use of instructors and advanced students.

There were presented to the library from May 1, 1910, to April 30, 1911, 1,042 bound volumes, 4,208 pamphlets and numbers of periodicals, and 20 maps. Among the donors were the United States Government, the Library of Congress, the Smithsonian Institution, the state libraries

of Connecticut, Maine, New York, and Washington, the Carnegie Institution, the Connecticut State Board of Education, the Field Museum of Natural History, the Pennsylvania Steel Co., the Geological Survey of Canada, the Illinois Bureau of Labor Statistics, the Illinois Geological Survey, the Maryland Geological Survey, the New York Department of Labor, the New York State Board of Charities, the New York State Historian, the Argentine Republic, the Library of the University of Michigan, Williams College, the Connecticut Gamma of Phi Beta Kappa, the German Book Club, the Inter-Collegiate Association of Amateur Athletes of America, and the following individuals: Mrs. C. L. Abbott, Professor A. C. Armstrong, Hon. F. B. Braudegee, Hon. M. G. Bulkeley, Rev. J. C. W. Coxe, '63, Hon. C. M. Depew, Professor G. M. Dutcher, Professor W. C. Fisher, J. C. Graham, '90, W. J. James, '83, Professor W. P. Ladd, S. H. Olin, '66, P. N. Rice, '10, B. A. Rich, '78, F. F. Robinson, '10, A. S. Roe, '70, Hon. N. D. Sperry, Professor C. T. Winchester, '69, Mrs. C. D. Woods.

The Connecticut Gamma of Phi Beta Kappa some years ago gave the money to purchase vols. 1-49 of the *Deutsche allgemeine Biographie*. Volumes 50-55 were recently bought with money from the same source.

Two additional catalogue cases, each containing twenty drawers, were purchased early in the year. All the author cards of standard size have been arranged by themselves. It is now necessary to examine cards arranged in two alphabets in order to ascertain whether the library contains a given book by a given author. This unfortunate state of affairs must continue until the recataloguing is completed.

A charging desk has been established, and all books are charged by a desk attendant. The reserved books have been placed together near the charging desk, and the name of each borrower of a reserved book is registered. No books have been lost from the reserve shelves this year.

CONNECTICUT LIBRARY ASSOCIATION.—The Connecticut Library Association held its annual meeting in Willbur Fisk Hall on Wednesday, March 1, 1911. The president of the association, Professor Andrew Keogh, of Yale University, opened the meeting by giving a brief history of the association, which had been in existence twenty years. Professor Rice made a brief address of welcome, followed by Mr. James, who gave a few facts about the University library. The addresses of the morning were by Mr. Frank B. Gay, of the Watkinson Library, Hartford, who spoke on "Bookbinding Design," and by Mr. Louis N. Wilson, of Clark University, who took as his subject, "Some New Fields of Library Activity." Luncheon was served in the Fayerweather Gymnasium. The afternoon session was so largely attended that the meeting was held in

Memorial Chapel. The programme consisted of three addresses. Professor Dodge spoke on the "Popularization of Psychology." Professor Henry A. Beers, of Yale University, read a paper on the "Connecticut Wits." Professor G. B. Adams, of Yale University, spoke on the "Historical Novel."

BIBLE EXHIBIT.—In honor of the tercentenary of the King James translation of the English Bible, an exhibit was arranged in the library, during the month of March, illustrating the various English translations of the Bible. The collection was made up of facsimile reprints, or early editions of the different translations, including Wycliffe's Testament, Tyndale's Testament, Coverdale's Bible, the Great Bible, the Geneva or Breeches Bible, the Bishop's Bible, the Douay Bible, and the King James version. Professor Mead kindly loaned for exhibition a copy of the Genevan version of the New Testament printed in Edinburgh by Andrew Hart in 1610. This is one of the earliest editions of the English Testament printed in Scotland. A copy of the instructions to the translators of the King James version was included in the collection, as was also a facsimile and explanation of the Holbein border of the Great Bible of 1539. The copy of the Bishop's Bible exhibited dated back to 1585, while the earliest edition of the King James version to be found in the library was that printed in Cambridge by John Hayes in 1674, with title-page engraved by John Drapentière.

DEPARTMENT NOTES

LATIN.—An unusually large proportion of the courses in the Latin department will be offered during the academic year 1911-12, with the expectation that some of those that would naturally be given during the following year will be then omitted. Students should note this fact in making their elections this spring, and consult the instructors in the department with reference to such courses as are desired during the next two years.

A number of photographs have been recently purchased in Italy for the walls of the Latin class-room.

GREEK.—Course IV, the history of Greek literature, will be given two hours a week next year, instead of one as heretofore, and a reading knowledge of Greek will not be required for admission to this course.

ROMANCE LANGUAGES.—A course in advanced Spanish will be given next year. It will consist in a general outline of the literature of Spain, with especial reference to the masterpieces of its chief writers.

ENGLISH LANGUAGE.—George Wiley Sherburn, '06, is to conduct a portion of the work in freshman English composition next year. For a considerable part of the present collegiate year he has been in charge of the Department of English in Beloit College.

PHILOSOPHY.—The equipment of the psychological laboratory has been substantially increased during the past year. Two alternating current episcotisters; a motor-driven, variable speed, kymograph; and a Marbe color wheel are among the additions for general class work. For special research and the use of advanced students a group of exceedingly sensitive apparatus has been provided. It consists of a small Edelmann string galvanometer with accessories, and an unique microscope recorder of great accuracy and low latency. As set up, the group constitutes a serviceable cardiogram station, which it is hoped will in time prove useful to other departments of the University and to the community. Its immediate service, however, will be in the study of the conditions of fatigue. This important group of apparatus was provided for by D. A. Cutler, ex-'03, in memory of Miss Zelia A. Cutler, '03. Suitable inscriptions have been attached to the several pieces.

Because of Professor Armstrong's leave of absence for the year, the department in 1911-12 will be in charge of Professor Dodge; although Professor Armstrong may be at home for the opening months of the first semester and conduct part of the work. Courses I, II, IV, V, IX, and X will be offered; a part of the readings from Course XI will be included in Courses IX and X; Courses III, VI, VII, and VIII will be omitted.

PHYSICS.—The direct current hitherto supplied by the Electric Light Company for power and for experimental purposes was discontinued last winter. In order to furnish the direct current that is needed, a small motor-generator set has been installed in Fisk Hall, a mercury arc rectifier in Judd Hall, and a $7\frac{1}{2}$ horse-power induction motor in the Scott Laboratory, which is coupled to a generator already owned by the department of physics. All this apparatus was purchased from the General Electric Company.

An imported hand tachometer has been purchased for measuring speeds of revolution from 150 to 6,000 per minute.

GEOLOGY.—Course I, physical geography, is given the present year by Walter Ransom Barrows, B. A., Assistant in Instruction in the Geological Department in Yale University. Courses II, III, IV, elementary and advanced courses in geology, are given by Professor Rice. It has been deemed necessary to omit Courses V and VI, on account

of the large amount of administrative work devolving upon Professor Rice by reason of President Shanklin's frequent absences on University business.

It is the expectation that Professor Rice will have leave of absence next year. It is probable that in that year no courses will be given in the department except Course I, physical geography.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association is extending its work so as to claim the attention and active coöperation of every man in college. This year the active members number 225. The plan for the weekly meetings has been to have one devotional meeting a month, while at the others outside speakers of some note have been secured to give informal talks on the various problems that confront the college man. Forty weekly meetings have been held with an average attendance of about forty. At various places in the neighborhood 145 meetings have been conducted by students, and the attendance at these is estimated at 4,500. It is planned to extend the neighborhood work next year to include work of a social settlement character.

In Bible study one hundred men were enrolled and the average attendance was 52 per cent. Mission study classes have been maintained this year with more system and success than in the past. Three courses were offered as follows: New China—The Educational Aspect, led by Ex-President Raymond; Comparative Religions, led by Professor Hewitt; The Decisive Hour of Christian Missions, led by Mr. Knight. In these courses 33 men were enrolled, and the average attendance was 69 per cent. The association has raised \$500 this year for the educational missionary work in West China that is being conducted by Joe Beech, '99. Next year a student volunteer conference of the colleges of the Connecticut valley will be held jointly at Wesleyan and the Berkeley Divinity School. In addition to the reception to the freshman class at the beginning of the year, a reception to Governor Weeks, President Shanklin, and the faculty was given in the gymnasium on December 19, 1910. The attendance was about 200. The volunteer band also gave a reception on April 3 at the Delta Kappa Epsilon House to Mr. J. C. Robbins, travelling secretary of the Student Volunteer Movement. Delegates from the Wesleyan association have attended conferences at New Haven, Springfield, Amherst, and Hartford, and a large number have already declared their intention of attending the Northfield

conference, June 23-July 2. Mr. Knight, the general secretary, has had charge of an employment bureau. He has helped seventy-five men to find work during the college year, and has already assisted fifteen to summer positions.

DEBATE

The work of the debating teams this year has returned toward the standard of success which characterized their work for several years. In the triangular league contests with Amherst and Williams, Wesleyan won from the former and lost to the latter. Amherst defeated Williams making the result a triple tie. The question was: "Resolved, that the federal government should have power to impose an income tax, not apportioned among the states according to population. Constitutionality is waived." In each case the home team upheld the affirmative side of the question. The Wesleyan team which debated against Amherst at Middletown consisted of Hancock, '13, and Wriston, '11, with Buck, '12, as alternate; and the negative team which debated at Williams consisted of Panunzio, '11, and Montgomery, '11, with H. D. Jones, '12, as alternate.

There were, as last year, two spring debates, one with Bowdoin in Middletown, and the other with New York University in New York. The attempt to arrange a triangular contest failed. Both debates were held on April 7, the question being: "Resolved, that, constitutionality aside, a graduated income tax should form a part of the federal taxing system." The affirmative team, consisting of Hancock, '13, Williams, '12, and Wriston, '11, with Wallis, '12, as alternate, lost, the decision being two to one against them. The negative team, consisting of Panunzio, '11, Buck, '12, and Montgomery, '11, with Coit, '12, as alternate, were awarded the decision against Bowdoin.

In the interclass debate the freshmen defeated the sophomores. The freshman team consisted of Raymond and Mott with Dulany as alternate. The sophomore speakers were S. W. Murphy and L. P. Rice, with A. B. Bruner as alternate. The question was the same as that of the triangular league.

The Briggs Prize debate was held in Memorial Chapel on March 9. The question was: "Resolved, that in American cities of less than one hundred thousand population the commission form of government should be adopted." The affirmative speakers were, Buck, '12, and Williams, '12; the negative speakers were, Wriston, '11, and Montgomery, '11. The judges, M. Eugene Culver, '75, Doctor Curts, and Arthur L. Allin, unanimously awarded the prize to Montgomery.

UNIVERSITY NOTES

JUNIOR EXHIBITION.—The Junior Exhibition was held in Memorial Chapel on Tuesday, May 2. The committee of award consisted of William Walter Wilcox, B. A., of Middletown, Professor Anthon Temple Gesner, B. A., M. A., of the Berkeley Divinity School, and Joseph Henry McIntyre, B. A., of the Middletown High School. To Carl Scott Coit, of Lawrence, N. Y., was awarded the first prize, for an oration on "Industrial Democracy". The second prize was given to Lawrence Elwood Rothrock, of Easton, Pa., for an oration entitled "Greece the Source of Modern Civilization."

NEW ENGLAND ORATORICAL LEAGUE.—For the first time a competition was held to select the speaker to represent Wesleyan in the New England Oratorical League annual contest. The preliminary contest was held in Memorial Chapel on April 4. The speakers were Panunzio, '11, Simmons, '11, Wriston, '11, Nichols, '13, Montgomery, '11, and Brodhead, '11. The committee of the faculty on public literary exercises, acting as judges, chose Montgomery to represent Wesleyan, with Wriston as alternate.

The second intercollegiate contest was held at Bowdoin, May 4. The judges were Professors I. L. Winter of Harvard, J. A. Tufts of Exeter, W. B. Munro of Harvard, Judge A. P. Stone of Boston, and Doctor C. E. Meleney, Assistant Superintendent of Schools of New York City. The medal was awarded to E. B. Smith, Bowdoin '11, who spoke on "A New Aristocracy," and honorable mention was given Montgomery of Wesleyan, whose subject was, "The Hope of Democracy." G. L. Buck, Wesleyan '12, was elected president of the league for the coming year.

LABORATORY OF THE STATE BOARD OF HEALTH.—Announcement is made of the resignation of Mr. Arthur L. Gammage as assistant chemist on March 1, 1911, and the appointment of Thomas R. Lathrope, Ph. B., to that position. Mr. Lathrope is a graduate of Lafayette College and has spent a year and a half in sanitary courses at the Massachusetts Institute of Technology. A report on the work of the laboratory during the past two years has just been published in the Biennial Report of the State Board of Health. In addition to the regular work of the laboratory, Mr. Newlands, chemist of the board, was authorized, during the past year, to make a study of the sanitary condition of the oyster grounds in the New Haven harbor and the data obtained in this investigation have been published with the report of the State Board of Equalization which was appointed by the General Assembly of 1909 to investigate the oyster properties of the state.

CONNECTICUT GEOLOGICAL AND NATURAL HISTORY SURVEY.—The Fourth Biennial Report of the Survey was presented to the General Assembly of Connecticut in January. Professor Rice continues to be superintendent of the Survey. A bulletin on the "Lithology of Connecticut," by Professor Joseph Barrell, of Yale University, and Doctor G. F. Loughlin, of the Massachusetts Institute of Technology, has just been published. Specimens of Connecticut rocks, which have been collected by the Survey, are being distributed to the colleges, high schools, normal schools, and academies of the state, as illustrative of the bulletin which has been published. It is believed that its educational value in the state will be very largely increased by the suites of specimens thus distributed.

Another bulletin which will be issued within a few weeks is the first instalment of an elaborate work on the insects of Connecticut, to be prepared by a number of specialists under the general direction of W. E. Britton, Entomologist of the Connecticut Agricultural Experimental Station at New Haven. The part which is soon to appear treats of two orders of insects; namely, Euplexoptera and Orthoptera.

It is expected that in the ensuing biennial term the main activity of the Survey will be an investigation, in coöperation with the United States Geological Survey, of the water resources of the state, including both surface and underground waters. In view of the fact that many of the larger towns of the state have, within the last few years, been threatened with water famines, the timeliness of such an investigation is obvious.

SPECIAL BULLETIN.—A committee of the faculty has been appointed for the purpose of publishing a record of scientific investigation at Wesleyan University. The publication will appear in the form of a bulletin, and will be sent to all the alumni. It will contain brief histories of the various departments of science, accounts of special lines of research that have been carried on here, biographical notes, and somewhat extensive bibliographies. Doctor Turrentine, who had initiated the undertaking, collected and edited most of the material before his resignation from the faculty. Since then the remaining editorial work has been done by Professor Camp. It is expected that this special bulletin will be ready for distribution in June.

INCREASE OF REGISTRATION.—Professor Rudolf Tombo, Jr., has published an article in *Science* for March 3, 1911, upon the registration in American Colleges during the year 1910-11. From data presented it appears that, in percentage of increase over the preceding year,

Wesleyan leads its New England neighbors, Amherst, Bowdoin, Brown, Dartmouth, Massachusetts Institute of Technology, Tufts, and Williams. The Catalogue shows the registration at Wesleyan in 1909-10, as 340; in 1910-11, as 367, an increase of eight per cent.

WESLEYAN ALUMNI IN WHO'S WHO IN AMERICA.—A recent compilation of data concerning the alumni of colleges in the last edition of Who's Who in America, shows the following list of the twelve leading colleges: Harvard, 850 names; Yale, 680; Michigan, 282; Columbia, 261; Princeton, 210; Amherst, 205; Pennsylvania, 198; Cornell, 167; Williams, 123; Virginia, 122; Wesleyan, 121; Chicago, 88. It should be noted that the total number of living alumni of Wesleyan is almost exactly 2,000, while Williams, which is nearest in number of living alumni, has over 2,500, and from this the figures run up to over 19,700 for Harvard.

PUBLICATIONS BY WESLEYAN ALUMNI.—Houghton, Mifflin & Company have recently published three volumes by alumni of Wesleyan. These were "Individuality," by Edward Lee Thorndike, '95; "A Roman Wit," a galaxy of metrical translations of the best of Martial's epigrams, by Paul Nixon, '04, and "The Standards of Living among Industrial People," by Frank Hatch Streightoff, '09. The last of these is the essay which won a Hart, Schaffner and Marx prize in economics in 1910.

ATHLETIC HANDBOOK.—A revised edition of the Wesleyan University Handbook of Athletics, commonly called the Red Book, was published by the Athletic Council, about March 1, 1911.

VISITORS' EVENING AT THE GYMNASIUM.—The gymnasium demonstration was held on April 6, 1911, under the direction of Mr. Reiter. The program was made up of gymnastic performances on various pieces of apparatus, of fancy steps, free hand work, competitive drills by squads from the two lower classes, and the final game in the class basketball series. This was played between the sophomores (1913) and the freshmen (1914) and was won by the latter. The class drill was awarded to the freshmen (1914). The individual cup for excellence in gymnastics and the college cup for the best gymnast were awarded to Soule, '11. Freifeld, '14, and Frost, '14, received second and third prize cups respectively.

ARCHITECTURE OF WESLEYAN.—The number of *The Architectural Record* for February, 1911 (v. 29, p. 145), contains a description of the architecture of the buildings of Wesleyan University, which appears

in a series of articles on the Architecture of American Colleges by Montgomery Schuyler. The writer comments with special approval on Memorial Chapel and the new North College. Photographs of most of the buildings are reproduced.

FACULTY NOTES

PRESIDENT SHANKLIN.—Since the opening of the college year President Shanklin has given himself largely to the endowment campaign with gratifying results. He and the other members of the trustees' committee have confidence that the fund will be completed within the prescribed time, namely, December 31, 1911. The President has addressed nearly all the alumni associations, and also visited most of the patronizing conferences. He also attended in Greencastle, Indiana, the annual meeting of the Association of College Presidents and Principals of Secondary Schools of the Methodist Episcopal Church, January 18-19; and the meeting of the University Senate of the Methodist Episcopal Church, at Indianapolis, Indiana, January 20. He was elected secretary of the Association of College Presidents.

EX-PRESIDENT RAYMOND.—The many friends of Doctor Raymond who knew of his sudden and severe illness while attending the New York East Conference of the Methodist Episcopal Church at New Rochelle, New York, on March 30, will be glad to learn that he has recovered and is apparently in his usual health.

PROFESSOR RICE.—Professor Rice attended the meeting of the Geological Society of America in Pittsburg, Pennsylvania, December 27-29, 1910, and was elected first vice-president for the ensuing year. He attended the meeting of the University Senate of the Methodist Episcopal Church, and of the Association of Methodist College Presidents, in Indianapolis and Greencastle, Indiana, January 18-20, 1911. Professor Rice was a member of a committee of the Senate charged with the duty of conducting an investigation of the status of all institutions of learning of the Methodist Episcopal Church. The report of this committee was presented for consideration in both the Senate and the Association of College Presidents.

PROFESSOR CONN.—Professor Conn is a member of a National Commission on Milk Standards which held its first meeting in New York, May 22, 1910. He has also been made an honorary member of the

American Society of Bacteriologists, of which he was one of the founders, its first secretary and its third president. Professor Conn attended the meetings of the American Society of Bacteriologists at Ithaca, New York, December 27-29, 1910, and the American Association of Medical Milk Commissions at Philadelphia, Pennsylvania, May 23-24, 1911.

PROFESSOR NICOLSON.—Professor Nicolson represented the University at the meeting of the National Collegiate Athletic Association in New York, December 29, 1910, and was reëlected secretary-treasurer. He also represented the University at the meeting of the College Entrance Examination Board in New York, and attended a meeting of the Committee of Review of the College Entrance Examination Board, April 22, 1911. He attended the annual meeting of the New England College Entrance Certificate Board, May 12; the Association of Administrative Officers in New England Colleges at Bowdoin College, Brunswick, Maine, on May 17 and 18; and the meeting of the Association of Colleges in New England for Conference on Athletics, in Boston on May 19. He is president this year of the three last named organizations and has been reëlected president of the New England College Entrance Certificate Board for the ensuing year.

PROFESSOR BRADLEY.—On December 19, 1910, Professor Bradley was appointed by Governor Weeks the Connecticut representative on the organization committee of the Eighth International Congress of Applied Chemistry, which is to meet in Washington and New York in 1912. He was later made chairman of the sub-committee on fuels, of section V. c, fuels and asphalt.

PROFESSOR FIFE.—During the present semester, Professor Fife has been absent in Europe on a half-year's leave. He set sail from New York for the Mediterranean cruise on the Cedric of the White Star line on the 22nd of February. Professor Fife remained two months in Italy, visiting Naples, Rome, Florence, and Venice as well as many smaller places. From Venice his plans took him to Budapest and Vienna. It is his purpose to spend the summer in Germany, returning to Middletown in September. Because of Professor Fife's absence some readjustments have been made in the courses offered by the German Department this year. Doctor Curts is in charge of the department during Professor Fife's absence. Professor Fife and Dr. Curts attended the meeting of the Modern Language Association of America held in New York City, December 27-29, 1910.

DOCTOR TURRENTINE.—Doctor Turrentine who had nearly completed his third year as instructor in the department of chemistry has accepted a position, at a large advance in salary, in the Bureau of Soils, Department of Agriculture, Washington, D. C. His special work will have reference to the application of the principles of physical chemistry to the processes which take place in soils. As he was obliged to enter upon the duties of this position promptly on the first of May, he was granted leave of absence from the University for the months of May and June by the President. During the current year, Doctor Turrentine has obtained some very interesting results relative to the chemistry of hydronitric acid, as a result of which it is not impossible that the constitutional formula which has hitherto been universally assigned to this acid may have to be given up. Unfortunately, this promising piece of investigation will be interrupted for some time by Doctor Turrentine's change of position. To the chemistry department his removal means a distinct loss.

DOCTOR WHITNEY.—Doctor Whitney recently completed a series of experiments in which he has reared rotifers in media containing various percentages of many of the common alcoholic beverages. These experiments demonstrate that the relative toxicity of alcoholic beverages is not proportional to the amount of alcohol contained in them. This work has aroused considerable interest in the daily press and has been published in full in *Science* and will be republished in *The Temperance Educational Quarterly*.

Doctor Whitney attended the meetings of the American Society of Zoölogists and the American Society of Naturalists at Ithaca, New York, December 27-29, 1910. He was elected Fellow of the American Association for the Advancement of Science, December 30, 1910.

MEETINGS ATTENDED.—The annual meeting of the American Philological Association and of the Archaeological Institute of America, held at Providence, Rhode Island, December 27-30, was attended by Professors Heidel, Harrington, and Hewitt. Professor Heidel is a member of the council of the former association.

Professor Dutcher attended the meeting of the American Historical Association in Indianapolis, December 27-30, 1910; and spoke at the annual dinner of the Wesleyan Alumni Association of Newark and Vicinity in Newark, March 31, 1911.

Professor Mead attended in December, 1910, the annual meetings of the Modern Language Association of America and of the American

Dialect Society at the College of the City of New York. He was reëlected secretary of the American Dialect Society and is *ex officio* editor of *Dialect Notes*.

Professor Cady attended the meeting of the American Physical Society, held at Columbia University, New York City, March 4, 1911.

Professor Bradley and Doctors Renshaw and Turrentine attended the opening meeting of the Connecticut Valley Section of the American Chemical Society at Hartford on April 8, 1911. Doctor Renshaw was elected councillor to represent the section in the governing body of the parent society.

Mr. James represented the college at the dedication of the John Hay Memorial Library Building, Brown University, on November 11, 1910. He was present at the joint meeting of the Pennsylvania and New Jersey Library Associations at Atlantic City, on March 9-11, 1911. He was also present at a private view of the New York Public Library Building which was offered to members of the New York Library Club on March 23, 1911.

Mr. Reiter attended the meeting of the Society of Directors of Physical Education in Colleges in New York City, December 30, 1910.

CIVIC ACTIVITIES.—At the annual meeting on February 13, Professor Harrington was again reëlected president of the Twentieth Century Club of Middletown, and Professor Dutcher was elected a member of the council. Professors Harrington and Dutcher represent the Twentieth Century Club on the joint committee on commission government for the city of Middletown. Professors Harrington and Fisher have appeared before certain committees of the Connecticut legislature to speak upon various bills during the present session.

SUMMER COURSES.—Professors Mead and Dodge will conduct advanced courses at Columbia University during the summer session. The following alumni of Wesleyan will also be in charge of courses at Columbia: H. S. White, '82, A. H. Thorndike, '93, R. H. Williams, '98, and R. C. Dean, '09. G. W. Sherburn, '06, will give a course in English during the summer session of the University of Chicago.

UNDERGRADUATE NOTES

ALPHA CHI RHO.—A group of twenty-three students representing all four classes organized themselves as a local fraternity with the name of Alpha Chi Alpha on December 1, 1910. They have leased from the

University the recently purchased Pike property in College Place. The new fraternity was promptly accorded provisional recognition by the College Body, and on May 31, the twenty-five members of the society were initiated as Phi Gamma chapter of the national fraternity, Alpha Chi Rho.

DRAMATIC ASSOCIATION.—“The Title Mart,” by Winston Churchill, was presented on May 11, in Middletown, and additional performances were given in Montclair, New Jersey, and at the Hotel Plaza, New York, on May 18 and 19.

SMOKERS.—Informal meetings of the student body, popularly called smokers, have been held at the various fraternity houses during the year. On Washington's Birthday a smoker at the Eclectic House in the afternoon was addressed by President Shanklin, Professor Nicolson, the Honorable Leslie Mortier Shaw, and by A. K. Dearborn, '06. A large number of sub-freshmen were present. On Saturday evening, March 18, Reverend Fred Winslow Adams of Schenectady, New York, spoke at a smoker at the Psi Upsilon House on Mark Twain. Another smoker was held at the Chi Psi Lodge in honor of the Bowdoin debating team at the close of the debate on April 7. Each of the classes has held a number of similar gatherings during the year at which some guest, usually a member of the faculty, was invited to be present and speak informally.

UNIVERSITY SERMONS, LECTURES, AND ADDRESSES

SERMONS, BACCALAUREATE SUNDAY, FIRST METHODIST EPISCOPAL CHURCH:

June 26, 1910.—President Shanklin: “We know that all things work together for good to them that love God.”—Romans 8, 28.

Reverend Bishop William Franklin Anderson, D. D., LL. D.: “Pure religion and undefiled before God and the Father is this, to visit the fatherless and widows in their affliction, and to keep himself unspotted from the world.”—James 1, 27.

PREACHERS AT VESPER SERVICES, MEMORIAL CHAPEL:

1910

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| September 25. | Professor Rice. |
| October 2. | Reverend Charles Wesley Flint, of Middletown, Conn. |
| October 9. | Professor Arthur Lincoln Gillett, of Hartford, Conn. |
| October 16. | Reverend Hugh Elmer Brown, of Hartford, Conn. |
| October 23. | President John Hanson Thomas Main, Ph. D., of Grinnell College, Grinnell, Iowa. |

- October 30. Reverend Edgar Blake, D. D., of Chicago, Ill.
- November 6. Reverend Lynn Harold Hough, of Brooklyn, N. Y.
- November 13. Reverend Homer Clyde Stuntz, D. D., of Madison, N. J.
- November 20. Reverend Lucius H. Bugbee, D. D., of Brookline, Mass.
- November 27. Reverend George Milton Brodhead, '82, of Philadelphia, Pa.
- December 4. Reverend Frank Mason North, D. D., '72, of New York City.
- December 11. Reverend Lynn Harold Hough, of Brooklyn, N. Y.
- December 18. Reverend George Shaw Butters, D. D., of Newton, Mass.
- January 8. Reverend DeWitt Burton Thompson, D. D., '85, of Syracuse, N. Y.
- January 15. Reverend Charles Wesley McCormick, D. D., '81, of Brooklyn, N. Y.
- January 22. Reverend Charles Perley Tinker, S. T. B., '89, of New York City.
- January 29. President Wilbur Paterson Thirkield, D. D., of Howard University, Washington, D. C.
- February 5. Professor Robert William Rogers, Ph. D., D. D., of Madison, N. J.
- February 12. Reverend Robert H. Gilbert, D. D., of Berwick, Pa.
- February 19. Reverend Claude H. Priddy, of Stamford, Conn.
- February 26. Reverend George Clark Peck, of New York City.
- March 5. Reverend Azel Washburn Hazen, D. D., of Middletown.
- March 12. Reverend James W. Campbell, of Newtonville, Mass.
- March 19. Reverend Fred Winslow Adams, D. D., of Schenectady, N. Y.
- March 26. President Marion LeRoy Burton, D. D., of Smith College, Northampton, Mass.
- April 2. Reverend David George Downey, D. D., '84, of Chicago, Ill.
- April 9. Reverend John G. Wilson, D. D., of Philadelphia, Pa.
- April 23. Reverend Wallace McMullen, D. D., of New York City.
- April 30. Reverend William P. Eveland, of Williamsport, Pa.
- May 7. Reverend George Heber Jones, D. D., of New York City.
- May 14. Reverend Charles Martin Anderson, Plainfield, New Jersey.
- May 21. Reverend Henry Lincoln Wriston, S. T. D., Medford, Mass.,
- May 28. Reverend Alfred E. Craig, of Wilmington, Del.
- June 4. Reverend Joshua Martin Frost, of Waterville, Me.
- June 11. Reverend Walter Perley Buck, of New London, Conn.

ADDRESSES BY REVEREND LYNN HAROLD HOUGH, MEMORIAL CHAPEL;

- December 5. A Man's Creed.
- December 6. The Authoritative Message of the Bible.
- December 7. The Christian Thoughts about the Holy Spirit.
- December 8. Prayer.
- December 9. "Where art Thou?"

TOASTS, COMMENCEMENT LUNCHEON, FAYERWEATHER GYMNASIUM:

June 28, 1910.—President Abram Winegardner Harris, LL. D., '80,
Toastmaster.

- Governor Frank Bentley Weeks, LL. D.: Connecticut.
- John Edward Eustis, LL. D., '74: Our Civic Responsibilities.
- Wilbur Fisk Randall, '80: A Few Words of Advice.
- Henry Archelaus Tirrell, '94: The College and the Sub-Freshman.
- Reverend Homer Clyde Stuntz, D. D.: Studying Larger Maps.
- Professor Kuhns: "Apologia pro Professione Sua."
- President Shanklin: Wesleyan.

TOASTS, WASHINGTON'S BIRTHDAY BANQUET, FAYERWEATHER GYMNASIUM:

February 22, 1911.—Wilbur Fisk Randall, '80, *Toastmaster.*

- President Shanklin: The University.
- Honorable Leslie Mortier Shaw, LL. D.: The Evolution of Matters Governmental.
- Reverend James Munroe Buckley, LL. D.: Impressions.
- Ex-Governor Frank Bentley Weeks, LL. D.: The State.
- Honorable Charles Wardell Stiles, Sc. D.: The Mother of her Country.
- Professor Winchester: The Faculty.
- Honorable Robert Fulton Raymond, LL. B.: Boston Alumni.
- George Imlay Bodine, Jr., '06: Philadelphia Alumni.
- Wilbur Fisk Randall, '80, The New York Alumni.
- Frederic William Heaton Stott, Amherst, '11: Amherst.
- Abbott Paige Mills, Williams, '11: Williams.
- Franklin Seymour Garman, '11: Wesleyan.

LECTURES BEFORE THE DEPARTMENT OF PHILOSOPHY, FISK HALL:

December 10, 1910.—Professor Robert Mearns Yerkes, Harvard University: The Problems and Methods of Comparative Psychology.

January 14, 1911.—Professor Arthur Lincoln Gillett, Hartford Theological Seminary: The Modern Man and his God.

March 23, 1911.—Professor James Bissett Pratt, Williams College: The Life and Work of William James, with Special Reference to his Philosophy of Religion.

LECTURES BEFORE THE DEPARTMENT OF HISTORY, FISK HALL:

May 27, 1910.—Professor Albert Bernhardt Faust, Cornell University: The German Element and the American Frontier.

October 19, 1910.—Doctor Henry Barrett Learned, New Haven, Connecticut: The Beginnings of the American Cabinet.

January 7, 1911.—Professor Dutcher: The American Historical Association: Its History and its Recent Meeting in Indianapolis.

May 17, 1911.—Professor Wilbur Cortez Abbott, Yale University: The Posthumous Cromwell.

May 24, 1911.—Doctor Henry Barrett Learned, New Haven, Connecticut: President Polk and his Cabinet.

LECTURES BEFORE THE CLASSICAL CLUB, FISK HALL:

(*President*, Robert Williams, '12; *Secretary*, Louis Carter Flocken, '12.)

October 4, 1910.—Professor Harrington: Trajan's Column.

November 29, 1910.—Professor Hewitt: The Humor of Aristophanes.

December 13, 1910.—Professor Heidel: A Trip Through Greece.

March 29, 1911.—Professor Paul Shorey, University of Chicago: Athens' Fin de Siècle.

LECTURES BEFORE DER DEUTSCHE VEREIN, EAST HALL:

(*President*, Wilfred Lowrey Cook, '11; *Secretary*, Robert Victor Story, '12.)

October 1, 1910.—Professor Heidel: Deutschland nach zwanzig Jahren.

October 15, 1910.—Mr. V. Y. Heuser, Columbia University: Heine und die Harzreise (illustrated), Scott Laboratory.

December 3, 1910.—Professor Fife: Göttingen.

February 4, 1911.—Mr. Walter Parks Bliss, '10: Der Beitrag Deutschlands zur Bakteriologie.

March 4, 1911.—Mr. F. A. Erfling, Middletown, Conn.: Ein paar Erfahrungen eines Matrosen.

April 8, 1911.—Doctor Curts: Eine Canoeahrt in Canada.

May 27, 1911.—Professor Dodge: Eine Feriensreise in der Riviera.

LECTURES BEFORE LA SOCIÉTÉ FRANÇAISE, FISK HALL:

(*President*, Joe Morningstar, Jr., '11; *Secretary*, William Wesley Reynolds, '12.)

May 23, 1910.—Mr. Graves: Les Galeries de Peintures Parisiennes (illustrated).

November 7, 1910.—Professor Kuhns: L' Italie (illustrated).

January 9, 1911.—Professor Kuhns: La Suisse (illustrated).

January 12, 1911.—Professor Kuhns: Chantecler.

May 15, 1911.—Professor Kuhns: Paris et les Parisiens (illustrated).

May 31, 1911.—Mr. Graves: Les Environs de Paris (illustrated).

LECTURE BEFORE THE BACTERIOLOGICAL JOURNAL CLUB, JUDD HALL:

May 5, 1911.—Harold Joel Conn, '08: Problems of Soil Bacteriology.

LECTURES BEFORE THE MIDDLETOWN SCIENTIFIC ASSOCIATION, SCOTT LABORATORY:

(*President*, Professor Cady; *Secretary*, Doctor Renshaw.)

June 14, 1910.—Professor Conn: The Education of the White Blood Corpuscle.

October 11, 1910.—Professor Albert Davis Mead, Brown University: Cultivation of Marine Food Animals.

November 8, 1910.—Professor Conn: Infantile Paralysis.

December 12, 1910.—Doctor Kate Campbell Mead, Middletown: Medical Practice, Past and Present—A Contrast.

January 10, 1911.—Doctor Francis Gano Benedict, Director of the Nutrition Laboratory of the Carnegie Institution, Boston: The Influence of Mental and Muscular Work on Nutritive Processes.

February 14, 1911.—Professor Rice: What I have Unlearned in Geology.

March 14, 1911.—Doctor Renshaw: Racial Poisons.

April 25, 1911.—Professor Henry Augustus Perkins, Trinity College: The Progress of Physics.

May 9, 1911.—Mr. Henry Floy, '89, New York: The Present Status of the Panama Canal.

PAPERS AND TALKS BEFORE THE APOSTLES' CLUB:

(*President*, Professor Winchester; *Secretary*, Mr. Graves.)

October 14, 1910.—Professor Heidel: A Flying Visit to Some European Universities and Scholars.

November 11, 1910.—Professor Dodge: The Theory of Introspection.

December 9, 1910.—Professor Mead: Some Aspects of Old English Science.

January 20, 1911.—Professors Dutcher, Fife, Heidel, and Mead: Reports from holiday meetings of learned societies.

February 10, 1911.—Professor Raymond: China and the Foreigner.

March 10, 1911.—Doctor Curtis: The Commission Form of Government.

April 28, 1911.—Professor Kuhns: Maurice Maeterlinck.

May 19, 1911.—Professor Hewitt: The Humor of Aristophanes.

FACULTY LECTURES AND PUBLICATIONS

PRESIDENT SHANKLIN.—*Addresses*.—Ideals of Manhood. University Club, Albany, New York, March 9, 1911.

The Christian College and the Nation. Methodist Social Union, New York City, April 27, 1911.

The Responsibility of the Administration for the Life of the Student. Association of College Presidents and Principals of Secondary Schools of the Methodist Episcopal Church, Greencastle, Indiana, April 19, 1911.

Addresses before the Middletown Business Men's Association, January, 26, 1911; at the reception in honor of the ninetieth birthday of Honorable George Greenwood Reynolds, LL. D., '41, Sand Street Methodist Episcopal Church, Brooklyn, New York, February 6, 1911; and before various schools and organizations.

PROFESSOR RICE.—*Lectures*.—The Poet of Science.—Convocation address, West Virginia University, Morgantown, West Virginia, January 5, 1911.

Publications.—James Dwight Dana. Pp. 233-268, Leading American Men of Science, edited by D. S. Jordan. New York, Henry Holt and Company, 1910.

The Geology of Tripyramid Mountain (with L. V. Pirsson). *American Journal of Science*, v. 31, pp. 269-289, April, 1911.

PROFESSOR WINCHESTER.—*Lectures*.—The New Edition of John Wesley's Journal. Hartford Preachers' Meeting, Hartford, January 16, 1911.

Robert Burns. Address delivered before the Teachers' Association of Passaic, New Jersey, on the anniversary of the poet's birthday, January 25, 1911.

The Religious Teaching of Robert Browning. Wesleyan Guild of Michigan University, Ann Arbor, Michigan, April 23, 1911.

Lectures before the following organizations: Pratt Institute, Brooklyn, New York, October 27, 1910, and February 9, 1911; New England English Teachers' Association, Hartford, December 10, 1910; Athenaeum Club, Summit, New Jersey, January 12, 1911; Lecture Association, South Norwalk, February 17, 1911; Clark College, Worcester, Massachusetts, March 10, 1911; Collegiate Club of New York City, April 3, 1911; Saratoga Springs, N. Y., May 26, 1911; and in various schools.

Publications.—John Wesley in the New Edition of the Journal. *Methodist Review*, v. 93, pp. 205-218, March-April, 1911.

The Bible as Literature. *Methodist Review*, v. 93, pp. 285-298, March-April, 1911.

PROFESSOR CONN.—*Lectures.*—The Bacterial Flora of Milk. American Society of Bacteriologists, Ithaca, New York, December 28, 1910.

Protozoa as the Producers of Disease. Brooklyn Institute of Arts and Sciences, Brooklyn, New York, January 10, 1911, and Middlesex County Medical Association, Middletown, February 13, 1911.

Milk as a Food for Children. Pediatric Society of Philadelphia, Philadelphia, Pennsylvania, May 9, 1911.

Organization of a Scheme for Milk Inspection in Small Communities. American Association of Medical Milk Commissions, Philadelphia, Pennsylvania, May 28, 1911.

Milk in Small Communities. Philadelphia Milk Show, Philadelphia, Pennsylvania, May 23, 1911.

Addresses, scientific and educational, before the following preparatory schools: Maine Wesleyan Seminary, Kents Hill, Maine; East Maine Conference Seminary, Bucksport, Maine; Tilton Seminary, Tilton, New Hampshire; Montpelier Seminary, Montpelier, Vermont; Wyoming Seminary, Kingston, Pennsylvania; Pennington Seminary, Pennington, New Jersey; DeWitt Clinton High School, New York City; Williamsport-Dickinson Seminary, Williamsport, Pennsylvania; and before the high schools of Scranton, Pennsylvania, Wilkes-Barre, Pennsylvania, Bridgeport, and Meriden.

Publications.—Laboratory of the State Board of Health, Report of the Director. Pp. 129-170, Report of the State Board of Health of the State of Connecticut, for the two years ending September 30, 1910. Hartford.

The Meriden and Middletown Epidemics of Poliomyelitis, *ibid.*, pp. 115-128.

The Effect of Ozone in the Purification of Water (with A. L. Gammage and L. R. Potter), *ibid.*, pp. 155-170.

PROFESSOR ARMSTRONG.—*Lecture*.—The Religious Philosophy of Rousseau. Philosophy Club, Wellesley College, Wellesley, Massachusetts, November 18, 1910.

Publications.—Three Border Towns. *Methodist Review*, v. 92, pp. 912-924, November-December, 1910.

Is Faith a Form of Feeling? *Harvard Theological Review*, v. 4, pp. 71-79, January, 1911.

The Idea of Feeling in Rousseau's Religious Philosophy. *Archiv für Geschichte der Philosophie*, Bd. 24, pp. 242-260, January, 1911.

PROFESSOR MEAD.—*Lectures*.—The Opportunity and Need for Dialect Investigation in the United States. American Dialect Society, New York City, December 29, 1910.

Across Iceland on Horseback. High School Hall, Middletown, April 7, 1911.

Publications.—Practical Work in the Dialect Field. *Dialect Notes*, v. 3, pp. 425-427.

Char-à-banc, *Nation*, v. 90, p. 651, June 30, 1910.

Wordsworth's "Maiden City." *Modern Language Notes*, v. 35, pp. 174-176, June, 1910.

Macaulay's Essay on Milton, edited with introduction and notes. Pp. 95. New York, American Book Company, 1911.

Editor of *Dialect Notes*, v. 3, part 5.

PROFESSOR HARRINGTON.—*Lecture*.—Cicero's Villas. Upper Hudson Classical Club, Albany, New York, April 22, 1911.

Publications.—The Classical Element in XVIth Century Latin Lyrics. *Proceedings of the American Philological Association*, v. 40, p. xlv.

Sample Latin Lyrics by Sixteenth Century Germans. *Methodist Review*, v. 92, pp. 706-725, September-October, 1910.

Live Issues in Classical Study. Pp. 76. Boston, Ginn and Company, 1910.

PROFESSOR BRADLEY.—*Lectures*.—Liquid Air. Science Club, Wellesley College, Wellesley, Massachusetts; Wesleyan Academy, Wilbraham, Massachusetts; Washington School, Westfield, New Jersey; Cheshire School, Cheshire; Mackenzie School, Dobbs Ferry-on-Hudson, New York; also at Natick, Massachusetts, at Madison, and before the high schools of Damascus, Pennsylvania, and Bethel.

A Glimpse of Matter through Modern Eyes. Channing Club, Derby, February 7, 1911.

A Scientist's View of the Bible. New Haven District Methodist Ministers' Association, Hartford, March 1, 1911.

Publications.—John the Baptist as Forerunner, II. *Biblical World*, v. 35, pp. 396-404, June, 1910.

Wirkung von Mechanischer Erschütterung auf Kohlensäure in der Nähe der kritischen Temperatur. *Zeitschrift für comprimirt und flüssige Gase*, Bd. 13, pp. 101-109, 1911 (a translation in full of a paper originally published in the Physical Review).

PROFESSOR KUHN. — *Lectures.* — The Ethnical Elements of the Pennsylvania Germans. Address delivered in the Court House, Lancaster, Pennsylvania, on the occasion of the Celebration of the Two Hundredth Anniversary of the first settlement of Lancaster County, Pennsylvania, September 8, 1910. Published in *Proceedings of the Lancaster County Historical Society*, v. 14, pp. 227-236; and in *Pennsylvania German*, v. 12, pp. 81-85, February, 1911.

Maeterlinck the Mystic. Connecticut Group of the New England Modern Language Association, Yale University, New Haven, March 18, 1911.

Publications.—The Emmmenthal, Switzerland. *Pennsylvania German*, v. 11, pp. 372-376, June, 1910.

Some Lancaster County Families from the Canton of Zurich, Switzerland. *Pennsylvania German*, v. 11, pp. 608-610, October, 1910.

Some Lancaster County Families from the Canton of Berne, Switzerland. *Pennsylvania German*, v. 11, pp. 733-735, December, 1910.

Switzerland plays a Part in the Founding of the American Nation. *Current Topics*, v. 2, No. 2, February, 1911. Reprinted in the *New Era*, Lancaster, Pennsylvania, v. 34, March, 1911.

The Secret of a Serene Life. *Northwestern Christian Advocate*, v. 9, pp. 460 and 473, April 12, 1911.

Apologia pro Professione Sua, *Methodist Review*, v. 93, pp. 359-371, May-June, 1911.

Switzerland, Its History, Scenery, and Literary Associations. Pp. xii, 294. New York, T. Y. Crowell and Company, 1910.

The Love of Books and Reading. Pp. 150. New York, Henry Holt and Company, 1910.

PROFESSOR HEIDEL.—*Publications.*—Die Bekehrung im Klassischen Altertum, mit besonderer Berücksichtigung des Lucretius. *Zeitschrift für Religionspsychologie*, Bd. 3, pp. 377-402, February 15, 1910.

The *ἀνάρμοι ὄγκοι* of Heraclides and Asclepiades. *Transactions of the American Philological Association*, v. 40, pp. 5-21, 1910.

Review of Reitzenstein's *Die hellenistischen Mysterienreligionen, ihre Grundgedanken und Wirkungen*. *American Journal of Philology*, v. 31, pp. 467-469, October-December, 1910.

Note on [Plutarch] *Stromat.*, 2. *Classical Philology*, v. 6, pp. 86-87, January, 1911.

Review of Helmreich's *Galen de Usu Partium Libri XVII*. *Classical Philology*, v. 6, pp. 126-127, January, 1911.

Review of Diès's *Le cycle mystique; la divinité, origine et fin des existences individuelles dans la philosophie antésocratique*. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 8, pp. 106-108, February, 1911.

PROFESSOR DODGE. — *Lectures*. — Demonstration of new Lantern Chronograph and Exposure Apparatus. Psychological Laboratory of the University of Berlin, October 8, 1909.

Demonstration of Recent Records of the Eye Movements and Simple Human Reflexes. Kongress für experimentelle Psychologie, Innsbruck, April 20, 1910.

Two courses of lectures on Educational Psychology and Analytic Psychology. Summer Session of Columbia University, July and August, 1909.

A Working Hypothesis for Inner Psychophysics. New York Branch of the American Psychological Association, New York, February 4, 1911.

The Popularization of Psychology, Connecticut Library Association, Middletown, March 1, 1911.

The Limitations of Introspection (April 17); Simple Reflexes and the Analysis of Conduct (April 18); A Sensitive Recording Device of Low Latency (April 18). Meeting of experimental psychologists, Cornell University, Ithaca, New York, April 17-19, 1911.

The Care of the Eyes. High School, Middletown, April 20, 1911.

Publications.—Eine experimentelle Studie der visuellen Fixation. *Zeitschrift für Psychologie*, Bd. 52, pp. 321-424, 1909. A translation in full of a paper originally published in *Monograph Series of the Psychological Review*.

The Pendular Whiplash Illusion. *Psychological Bulletin*, v. 7, pp. 391-394, October, 1910.

A Systematic Exploration of a Normal Knee Jerk, its technique, the form of the muscle contraction, its amplitude, its latent time, and its

theory. *Verworn's Zeitschrift für allgemeine Physiologie*, Bd. 12, pp. 1-58, 1910.

A Working Hypothesis for Inner Psychophysics. *Psychological Review*, v. 18, pp. 167-185, May, 1911.

Divers articles in Monroe's Encyclopaedia of Education.

Coöperating editor of *Psychological Review*.

PROFESSOR CADY.—*Lectures*.—Practical Electricity. A university extension course of eight lectures. Scott Laboratory, Thursday evenings, March 9-April 27, 1911.

PROFESSOR DUTCHER.—*Lectures*.—Peace and International Arbitration. First Congregational Church, Meriden, Connecticut, November 27, 1910.

Washington the Statesman. * Middlesex County Historical Society, Middletown, Connecticut, February 21, 1911.

The Patriotism of War and the Patriotism of Peace. Congregational Church, Orange, Connecticut, May 28, 1911.

The Gospel of International Peace. Norwich District Ministerial Association, Thompsonville, Connecticut, June 5, 1911.

Publications.—Review of Lauzac de Laborie's Paris sous Napoléon: Tome VI. Le Monde des Affaires et du Travail. *American Historical Review*, v. 15, pp. 860-1, July, 1910.

Review of Daudet's Correspondance du Duc d'Enghien (1801-1804), et Documents sur son Enlèvement et sa Mort: Tome III., La Famille: L'Europe. *American Historical Review*, v. 16, pp. 165-6, October, 1910.

Review of Espitalier's Napoléon et le Roi Murat, 1808-1815. *American Historical Review*, v. 16, pp. 350-1, January, 1911.

Review of Klæber's Marschall Bernadotte, Kronprinz von Schweden. *American Historical Review*, v. 16, pp. 620-1, April, 1911.

PROFESSOR HEWITT.—*Lectures*.—The Songs of Long Ago. Annual Reunion of the Alumni of Monmouth Academy, Monmouth, Maine, August 17, 1910; also at Rocky Hill; Genesee Wesleyan Seminary, Lima, New York; Cazenovia Seminary, Cazenovia, New York; and Troy Conference Academy, Poughkeepsie, Vermont.

The Exclusion of the Impure. American Philological Association, Providence, Rhode Island, December 28, 1910.

The Olympic Games. Agora Club, Albany High School, Albany, New York, February 2, 1911.

Present-day Tendencies in the Study of Greek Religion. New Haven District Methodist Ministers' Association, Hartford, March 1, 1911.

Publications.—Major Restrictions on Access to Greek Temples. *Transactions of the American Philological Association*, v. 40, pp. 83-91.

Xenophon's *Anabasis* (with Maurice W. Mather). Pp. 516. New York, American Book Company, 1910.

PROFESSOR HOWLAND.—*Lecture.*—Life on Other Worlds. Maine Wesleyan Seminary, Kents Hill, Maine, January 26, 1911.

DOCTOR TURRENTINE.—*Lectures.*—The Electrochemical Oxidation of some Hydrazine Salts. New York Section of the American Electrochemical Society, New York City, November 11, 1910.

Contribution to the Electrochemistry of Hydronitric Acid; I. The Corrosion of Some Metals in Sodium Trinitride Solution. New York Section of the American Electrochemical Society, New York City, November 11, 1910.

Publication.—The Case of Specialization versus Scattering. *Cornell Era*, February, 1911.

DOCTOR WHITNEY.—*Publications.*—The Influence of External Conditions upon the Life Cycle of *Hydatina senta*. *Science*, v. 32, pp. 345-349, September 9, 1910.

The Poisonous Effects of Alcoholic Beverages not Proportional to their Alcoholic Contents. *Science*, v. 33, pp. 587-590, April 14, 1911.

ALUMNI AND NON-GRADUATES OF WESLEYAN UNIVERSITY WHO SERVED IN THE CIVIL WAR

ALUMNI

CLASS

- 1836 * Dwight E. Bates, 1st Lieut., C. S. A.
- 1837 * George Kellogg, U. S. Revenue Service.
- 1838 * John H. Falconer, Lieut., 1st Reg., Md. Cavalry.
- * Robt. D. Howe, Quartermaster's Dept., C. S. A.
- * Anthony Palmer, Chaplain, 12th N. Y. Cavalry,
- 1839 * Francis A. Bates, Surgeon, C. S. A.
- * Lausing Porter, Capt., 75th N. Y. Vols.
- 1840 * Geo. F. Needham, Sanitary Commission.
- 1841 * Sullivan H. Weston, Chaplain, 7th N. Y. Vols.
- 1842 * Wm. G. Pierce, Chaplain, 77th Illinois Vols.
- 1843 * Milton Butterfield, C. S. A.
- * John W. Round, Volunteer Aid.

- 1844 * Major P. Crafts., Capt. Gunboat, Confederate Marine Service.
 * LaFayette C. Loomis, Acting Ass't Surgeon, Army of the Potomac.
 * Silas L. Loomis, Surgeon.
- 1845 * Elisha B. Harvey, Colonel, 7th Penn. Reserves.
 * John E. Sanborn, Division Surgeon, 16th Army Corps.
 * Dexter R. Wright, Colonel, 15th Conn. Vols.
- 1846 * Dixon Alexander, Surgeon, 16th Iowa Infantry.
 * John B. Gould, Chaplain, 11th R. I. Vols.
 * Francis W. Hammond, 5th Reg., Virginia Cavalry.
 * Gilbert Haven, Chaplain, 8th Mass. Reg.
 * James E. Marsh, Acting Ass't Surgeon, U. S. A.
 * Lewis F. Pelton, Surgeon, Board of Enrollment, 10th Congressional District of New York.
 * Seth L. Sprague, Surgeon.
- 1847 * John Colburn, Co. F, 96th N. Y. Vols.
 * Orange Judd, U. S. Christian Commission.
 * B. N. Wailes, Colonel, C. S. A.
- 1848 * Joel B. Clough, Engineer on Construction U. S. Mil. Railroads.
 * David N. Conger, U. S. A.
 * Edwin R. Keyes, Chaplain, 6th N. Y. Heavy Artillery.
 * Ralza M. Manly, Chaplain, 1st U. S. Colored Cavalry.
- 1849 * Daniel W. Stevens, Capt., Co. H, 153rd Ohio Vols.
 * George G. Jones, Chaplain, 13th N. H. Vols.
 * David B. Lockwood, 1st Sergeant, 2nd Conn. Light Battery.
 * Lorenzo Marshall, Chaplain, 192nd N. Y. Vols.
 * Francis A. Robinson, Chaplain, 15th Maine Vols.
- 1850 * Alonzo J. Edgerton, Brevet-Brigadier General, U. S. Vols.
 Albert H. Hoyt, Brevet Lieut.-Colonel, 8 Mt. Vernon St., Boston, Mass.
 * John B. Van Petten, Brevet-Brigadier General, U. S. Vols.
- 1851 * Samuel R. Adams, Chaplain, 26th Indiana Vols.
 Jas. B. Beckwith, 13th N. Y. Vols., R. F. D. No. 2., Fremont, Sandusky Co., Ohio.
 * Nicholas H. Rightor, Lieut.-Colonel, 8th La. Cavalry, C. S. A.
- 1852 * Wm. R. Clark, Delegate, U. S. Christian Commission.
- 1853 * Benj. F. Burnham, Commanded Co. G, 87th U. S. Col. Infantry.
 * Wm. F. Conrad, Capt., 25th Iowa Vols.
 * Jasper Fish, 44th Iowa Vols.
 * Franklin Hannahs, Capt., Co. C, 81st N. Y. Vols.
 * Julius A. Skilton, Surgeon-in-Chief, Dept. of Southwest.

- 1854 * Charles W. Gulick, Ass't Paymaster-General, New York State.
 * Philip D. Hammond, Chaplain, 35th Illinois Vols.
 * Joseph H. Knowles, Christian Commission.
- 1855 * Joseph S. E. Leonard, Surgeon, C. S. A.
 * Andrew Merwin, Hospital Steward, 14th N. Y. Cavalry.
 * John E. Round, Capt., 43rd Mass. Vols.
- 1856 * John J. Harrison, Post Chaplain.
 * Alexander D. McVoy, Chaplain, 38th and 40th Alabama Regiments, C. S. A.
 * James M. Pomeroy, Brevet-Colonel, 4th U. S. Veteran Vols.
- 1857 * Lorenzo D. Blanchard, 23rd N. Y. National Guard.
 * Jos. W. Cushing, Ass't Surgeon, U. S. A.
 * Munroe Nichols, Colonel, Co. D, 18th Conn. Vols.
 * Hiram P. Roberts, Chaplain, 137th Illinois Vols.
- 1858 * Geo. N. Falley, Capt., 50th N. Y. Vols.
 * Daniel C. Knowles, Capt., Co. D, 48th N. Y. Vols.
 * Geo. H. Tracy, Lieut. and Brevet Major.
- 1859 Charles C. Adams, Chaplain, 2nd Conn. Vols., Cromwell, Conn.
 * Edwin O. Brim, Ass't Field Hospital Surgeon's Corps, C. S. A.
 * Walter S. Cushman, Acting Paymaster, U. S. N.
 Stephen B. Davis, Chief Clerk, Quartermaster's Dept., 4th Corps, Middletown, Conn.
 Francis A. Smith, 3rd N. Y. Vols., Elizabethtown, N. Y.
 Watson C. Squire, Colonel, Seattle, Wash.
- 1860 Geo. N. Edwards, 1st Lieut., Co. K, 11th R. I. Vols., Randolph, N. Y.
 Sylvanus G. Gale, 1st Lieut., 48th N. Y. Vols., San José, Cal.
 * Chas. S. Macreading, Mate, U. S. Gunboat Norwich.
 Wm. E. Morgan, 8th Illinois Cavalry, Greeley, Neb.
 * Lewis W. Osgood, Lieut.-Colonel, 15th N. H. Vols.
 * Seymour A. Smith, 156th N. Y. Vols.
 * Wm. L. Spalding, 2nd Lieut., 18th Conn. Vols.
 Sylvester E. Strong, Acting Medical Director, U. S. A., Saratoga Springs, N. Y.
 * Geo. C. Webber, Acting Ass't Surgeon, U. S. N.
- 1861 * Lewis F. Dewey, Major, 2nd Reg., U. S. Colored Troops.
 Roswell S. Douglass, 1st Lieut., Co. G, 1st Conn. Heavy Artillery, 164 Harvard St., Brookline, Mass.
 * Frank C. Morse, Chaplain, 37th Mass. Vols.
 * Wilbur F. Osborne, Capt., Co. G (Wesleyan University Guards), 1st Conn. Artillery.

- * Daniel W. Raymond, 2nd Lieut., Co. G, 1st Conn. Artillery.
C. G. R. Vinal, 1st Lieut., 24th Conn. Vols., Middletown, Conn.
- 1862 John M. Caldwell, 2nd Conn. Vols., Coleridge, Neb.
- * Enos Y. Landis, in Spencer's Howitzer Battery.
- 1863 Wesley D. Chase, Chaplain, 193rd N. Y. Vols., Utica, N. Y.
Everett K. Dexter, Corporal, 60th Mass. Vols., 1 Highland Place,
Boston, Mass.
- * George A. Hall, Delegate, Christian Commission.
Chas. D. Hills, Delegate, Christian Commission, R. F. D., West
Gloucester, Mass.
Wm. P. Hubbard, 1st Lieut., 3rd West Virginia Cavalry, 1421
Chapline St. Wheeling, W. Va.
- * Geo. A. Newcomb, Admiral's Secretary, North Atlantic Squadron,
U. S. N.
- * Elam S. P. Clapp, 1st Lieut., 125th N. Y. Vols.
Henry N. Copp, Clerk, War Dept., Washington, D. C., 707 Eighth
Street, N. W., Washington, D. C.
- 1864 Costello Lippitt, Quartermaster, 3rd Reg., Conn. Nat. Guard,
Norwich, Conn.
- * Chas. A. Merrill, Paymaster's Clerk, U. S. A.
- 1865 Albert O. Hammond, 6th N. Y. Cavalry, Hackettstown, N. J.
- * Chas. W. Wilder, Co. G, 6th Mass. Vols.
- 1866 * Reese B. Gwillim, Corporal, 27th Conn. Vols.
Geo. C. Round, Lieut., Co. G, 1st Conn. Artillery, Manassas, Va.
- 1867 David B. Furber, Sergeant, U. S. Signal Corps, Westfield, Mass.
Wilbur F. Sanford, 29th Mass. Heavy Artillery, National Soldiers'
Home, Tenn.
Henry B. Terry, 9th R. I. Vols., Hyde Park, Mass.
- 1868 Edmund G. Butler, Penn. Vols. 2 Terrace St., Wilkes-Barre, Pa.
Henry W. Flint, 16th Vt. Vols., address unknown.
Theodore M. House, 177th N. Y. Vols., 184 Mohawk St., Cohoes,
N. Y.
Almona B. Smart, enlisted, address unknown.
George H. Stone, U. S. Signal Corps, Colorado Springs, Col.
- 1869 Horatio N. Hall, 15th N. H. Vols., Hersey, Mich.
- * Samuel E. Holden, 16th N. H. Vols.
- * Tamerlane P. Marsh, Quartermaster's Dept.
Alfred Noon, 42nd Mass. Vols., 36 Bromfield St., Boston Mass.
- * John H. Powers, 1st Vt. Cavalry.
- * Harvey Woodward, 9th N. H. Vols.
- 1870 Darius Baker, 5th Mass. Vols., 40 Cranston St., Newport R. I.

Isaac N. Clements, 122nd N. Y. Vols., Cazenovia, N. Y.
 Chas. W. Gallagher, 4th Unattached Co., Mass. Vols., Luther-
 ville, Md.

* David H. Hanaburgh, 128th N. Y. Vols.

* Chas. E. Hawkins, 142nd N. Y. Vols.

Geo. H. McGrew, Scout, U. S. A., Linden P. O., Silver Spring,
 Md.

* Howard A. McKenny, U. S. Hospital Service.

Geo. P. Mains, U. S. N., 150 Fifth Ave., New York City.

Virgil W. Mattoon, 24th N. Y. Vols., Horseheads, N. Y.

Abraham J. Palmer, 48th N. Y. Vols., Milton, N. Y.

Alfred S. Roe, 9th N. Y. Heavy Artillery, 5 Dix St., Worcester,
 Mass.

Marvin W. Van Denburg, 157th N. Y. Vols., 107 Union Ave.,
 Mt. Vernon, N. Y.

1871 * Robt. W. C. Farnsworth, 10th Vt. Vols.

* Watson E. Knox, 17th Reg., N. Y. State Nat. Guards.

Wilbur F. Potter, 16th Mass. Battery, P. O. Box 1586, Spring-
 field, Mass.

* Geo. S. Wentworth, 5th U. S. Artillery.

1872 Perry Chandler, enlisted, 1061 Saratoga St., E. Boston, Mass.

1873 * Jos. A. Addlington, 12th Ill. Cavalry.

Norman L. Cramer, 2nd N. Y. Cavalry., 81 Madison St., Oneida,
 N. Y.

Leonard N. Cummings, 20th Maine Vols., 32 Maxwell St.,
 Dorchester, Mass.

Delmar R. Lowell, 121st N. Y. Vols., Chaplain, U. S. A., 724
 Ostram Ave., Syracuse, N. Y.

Benj. B. Penfield, Adjutant, 6th Conn. Vols., R. F. D. No. 7,
 Shelbyville, Tenn.

1874 John E. Eustis, 20th N. Y. Cavalry., 154 Nassau St., New York,
 N. Y.

Geo. A. Perry, 91st N. Y. Vols., 44 W. 58th St., New York, N. Y.

Emory H. Talbot, Midshipman, U. S. N., Advertiser, Boston,
 Mass.

1877 Crandall J. North, Sergeant, Co. F, 9th N. Y. Artillery., 285
 Rugby Road, Brooklyn, N. Y.

NON-GRADUATES

1836 * Wm. H. Gardner, Post Surgeon.

* Wm. J. Leonard, Colonel, Md. Vols.

* Thos. B. Thorpe, Colonel, N. Y. Vols.

- 1837 * Owen P. Ransom, Colonel, 1st Ohio Cavalry.
- 1838 * Isaac R. Wilson, Major, Staff of Gen. Packard.
- 1839 * Theodore Jaques, Captain, 13th Mo. Cavalry.
 * John Hobart, Chaplain, 8th Wis. Vols.
 * Alexander McKinstry, Colonel, 32nd Alabama Infantry.
- 1840 * Sewall H. Fisk, Co. B., 16th Mass. Vols.
 * James Kellogg, Lieut., 1st Ga. Vols.
 * Wm. H. Paddock, Post Chaplain of U. S. Arsenal, Fort Delaware, Pa.
 * Wm. White, Colonel of Cavalry, C. S. A.
- 1841 * Richmond D. A. Dillard, Colonel of Va. State Militia.
- 1842 * John S. Berry, Adjutant General of Md.
 * Henry R. Branham, Surgeon, C. S. A.
 * Henry B. Hubbard, Lieut.-Colonel, 1st Va. Loyal Vol. Infantry.
 * James Pike, Colonel of 16th N. H. Vols.
- 1844 * Timothy M. Ingraham, Vol. Surgeon.
- 1845 * Joel C. Benton, Sutler, 41st Ill. Vols.
 * Benj. R. Holmes, Major, 1st Miss. Artillery.
- 1847 Edward Booth, 114th Ill. Vol. Infantry, address unknown.
 Gustave A. Breaux, Col., 30th La. C. S. A., Lafayette, La.
- 1848 * Seneca Howland, Chaplain 4th Reg., Conn. Nat. Guard.
- 1849 * Benj. G. Ames, 1st Lieut., 17th Me. Reg., address unknown.
 * Wm. H. Bannister, Sanitary Commission.
 * John O. Bronson, Surgeon of Vols.
- 1850 * Geo. W. Cole, Major-General of Cavalry.
 * Ranson P. Lyon, Chief Surgeon, 28th Conn. Vols.
 * Jas. Q. Rice, Major, 2nd Conn. Heavy Artillery.
- 1851 Epaminondas Deyampert, Private, C. S. A., Scotts, Perry Co., Ala.
 * Simpson R. Stroud, Lieut.-Col., 6th N. J. Vols.
- 1852 * Francis D. Brodhead, Officer.
 * Levin M. Lewis, Brigadier General, C. S. A.
- 1853 * Abial R. Abbott, 1st Lieut., Ill. Vols.
 * Chas. F. King, Quartermaster.
 Geo. W. Nickerson, U. S. A., Brewer, Maine.
 * Albert Woodcock, Brevet Lieut.-Colonel.
 * Geo. H. Woods, Lieut.-Colonel.
- 1854 * Jesse Brush, Chaplain, 158th N. Y. Vols., 835 Front Ave., Buffalo, N. Y.
 * Wm. R. Mulford, Private, Ill. Reg.
- 1855 Oscar H. Huntley, Capt. of Vols., Buda, Bureau Co., Ill.

- Nehemiah Nickerson, Surgeon, 21st Conn. Vols., 16 Washington St., Meriden, Conn.
- 1856 Elijah A. (V) Gove, Clerk in Quartermaster's Dept., Watertown, S. Dak.
- * Wm. Holt, Lieut.-Col., 31st N. J. Vols.
- * Samuel F. Jayne, Agent, U. S. Sanitary Commission.
- * Orville Smith, Captain, 9th N. H. Vols.
- 1857 * Peter F. FitzGerald, Ass't Surgeon, C. S. A.
- * Hezekiah Watkins, Lieut.-Colonel, 133rd N. Y. Vols.
- 1858 * Marshall B. Brewer, Lieut., Co. G, 37th N. Y. Vols.
- * Jas. N. Garatt, 89th N. Y. Vols.
- * Frank T. Goodrich, Lieut., 11th Ill. Vols.
- 1859 Henry B. Brown, Acting Ass't Paymaster, U. S. N., East Hampton, Conn.
- Benj. H. Cheney, Ass't Surgeon, 41st Ohio Vols., 112 College St., New Haven, Conn.
- * Richard D. McGraw, 2nd Lieut., 5th N. Y. Vols.
- Samuel M. Mansfield, Brigadier General, U. S. A., 231 Beacon St., Boston, Mass.
- * John D. Reynolds, Ass't Surgeon, Army of Potomac.
- Benj. H. White, 1st Lieut., 5th Iowa Cavalry, Clarendon, Texas.
- 1860 * William L. Bodwell, Color Sergeant, 27th Conn. Vols.
- * Elias R. Carey, Acting Ass't Surgeon, U. S. A.
- * Amasa F. Haradon, Acting Master's Mate, U. S. N.
- * David Leech, Acting Ass't Paymaster, U. S. N.
- * Alvin G. White, Post Chaplain, U. S. A.
- 1861 * Jas. A. Blanchard, 23rd N. Y. Nat. Guard, Medical Cadet, U. S. A.
- * Gustavus B. Chadwick, 7th Maine Battery, U. S. N.
- Joseph C. Shattuck, Clerk, Quartermaster's Office, University Park, Col.
- 1862 * Robt. B. Atwood, Corporal, Co. G, 1st Conn. Heavy Artillery.
- * Chas. O. Bringham, Major, Co. G, 1st Conn. Heavy Artillery.
- Samuel P. Hatfield, Major, Co. G, 1st Conn. Heavy Artillery, Army Building, New York City.
- * Henry Johnson, Acting Ass't Surgeon, U. S. N.
- Carl Laux, Hospital Steward, 624 Bixel St., Los Angeles, Cal.
- * Geo. D. Sargeant, Brevet Major, Co. G, 1st Conn. Heavy Artillery.
- 1863 * Greenleaf G. Baker, Surgeon, U. S. A.
- * Edward H. Brewer, Private, 14th Conn. Vols.
- * Samuel W. M. Chattaway, 2nd Lieut., 24th Conn. Vols.
- * Clarence P. Kidder, U. S. A.

- * James R. Moore, Sergeant, 13th Conn. Vols.
 Jos. L. Topham, Co. G, 1st Conn. Artillery, 1st Lieut., 2nd N. J.
 Cavalry, 812 Rhode Island St., Lawrence, Kansas.
- 1864 * Chas. T. Adams, Corporal, 43rd Mass. Vols.
 John H. Brooks, Corporal, 14th N. J. Vols., 535 S. 26 Ave.,
 Omaha, Neb.
- * Henry E. Burton, Lieut., N. C. Colored Troops.
- * Jas. H. Dandy, Jr., Col., N. Y. Vols.
- * Jas. H. Eastman, U. S. A.
- * Wm. A. Fosgate, Capt., Co. B., N. H. Vols.
- * Walton Goodwin, Captain, U. S. N.
- * Moses A. Hill, Brevet Major, Co. G, 1st Conn. Artillery.
- * Charles A. Manson, Acting Ass't Surgeon, U. S. A. and U. S. N.
 Charles E. Page, Chaplain, N. Y. Reg., address unknown.
 Edward P. Spalding, Corporal, 24th Conn. Vols., address un-
 known.
- 1865 Albert W. Chapin, 1st Mass. Artillery, 26 King St., Worcester,
 Mass.
 John Crawford, Quartermaster's Clerk, Signal Corps, U. S. A.,
 640 Sixth Ave., New York City.
- * Geo. H. Crosby, 1st Lieut., 14th Conn. Vols.
- * Robt. N. Eddy, Captain, 114th N. Y. Vols.
 Chas. W. Ferguson, Hospital Steward, 6th N. Y. Cavalry, ad-
 dress unknown.
- * Andrew J. Groves, Captain, U. S. Colored Troops.
 Chas. DeW. Marcy, Sergeant, Signal Corps, U. S. A., 246 Sum-
 mer St., Boston, Mass.
- * Samuel E. Nichols, Adjutant, 37th Mass. Vols.
- * Wm. H. Rice, Private, Co. H., 32nd Mass. Vols.
- * Edgar Russell, 43rd N. Y. Vols.
- * Merritt H. Sherman, 1st Lieut., 11th Vt. Heavy Artillery.
- 1866 * John W. Huttinger, 5th N. Y. Heavy Artillery.
- * John G. Knight, Quartermaster Sergeant, 1st Conn. Artillery.
 Wesley Lockhart, Private, 1st Me. Vols., address unknown.
- * Eli W. Parkman, Captain, 1st D. C. Cavalry.
 Wm. S. Walton, Capt., 34th N. Y. Vols., address unknown.
 Alban J. Wilson, Penn. Reg., address unknown.
- 1867 Peter F. Cole, Chief Clerk, Commissary of Muster's Office, 66
 Chestnut St., East Orange, N. J.
- * Isaac N. Elwood, Delegate, Christian Commission.
- * Leroy A. Foster, Private, 1st Maine Battery.

- Robt. Lauder, Corporal, 11th R. I. Vols., 310 Fairfield Ave., Bridgeport, Ct.
- * Augustus W. Weeks, Private, 6th Mass. Vols.
- 1868 Morris W. Prince, 34th Mass. Vols., Carlisle, Pa.
- 1870 Marcus W. Lyon, Captain, Ordnance Dept., 188 Market St., Newark, N. J.
- 1872 Martin V. Knox, Captain, 23rd U. S. Colored Infantry, 9 Duncklee Ave., Stoneham, Mass.
- 1873 Jas. W. Fenn, Corporal, Co. G, 1st Conn. Heavy Artillery, Cass City, Mich.

HONORARY ALUMNI

- 1845 * Wm. G. Howard, Chaplain of a Regiment, C. S. A.
- 1856 * Bernice D. Ames, Secretary, U. S. Christian Commission.
- 1860 * Daniel C. Jacokes, Chaplain, U. S. A.
- * Ernst F. Plitschke, Died in U. S. A.
- * James B. Gardenhire, Brigadier General, U. S. A.
- 1862 Isaac Gibbard, Chaplain, 143rd N. Y. Vols., 606 West Ave., Rochester, N. Y.
- * John M. Rice, Assistant Surgeon, U. S. N.
- 1866 Luther T. Townsend, Adjutant, 16th N. H. Vols., Waltham, Mass.
- 1867 * Theodore Runyon, Brigadier General, U. S. Vols.
- 1870 * Edward R. S. Canby, Brigadier General, U. S. A.
- 1875 Robert R. Meredith, Captain, Co. B, 153rd N. Y. Vols., Pasadena, Cal.
- 1880 * Nathaniel C. Husted, Surgeon, New York State Troops.
- * Lawrence Johnson, 1st Lieut., 8th U. S. Colored Artillery.
- 1881 Joel Webster Eaton, Chaplain, 169th N. Y. Vols., Albany, N. Y.
- 1887 Phineas C. Lounsbury, 17th Conn. Vols., 257 Broadway, New York, N. Y.
- Henry O. Marcy, Assistant Surgeon, 35th U. S. Colored Troops, 180 Commonwealth Ave., Boston, Mass.
- 1889 Wm. W. Smith, C. S. A., Lynchburg, Va.
- 1894 * Carroll D. Wright, Colonel, 14th N. H. Vols.
- 1901 * Charles E. Smith, Volunteer Regiment, C. S. A.
- 1903 Wm. E. Huntington, 1st Lieut., 49th Wisconsin Vols., Newton Centre, Mass.

MEMBERS OF BOARD OF TRUSTEES AND OF THE FACULTY.

- A. R. Crittenden, 14th Conn. Vols., Middletown, Conn.
- Bradford P. Raymond, 48th N. Y. Vols., Middletown, Conn.

* Deceased.

OBITUARY RECORD

The following deaths among the alumni have been reported since the publication of the last obituary record:

CLASS

- 1838 Bostwick Hawley, b. April 8, 1814, Camillus, N. Y.; d. July 29, 1910, Saratoga Springs, N. Y.
- 1846 Eli Converse Bruce, b. April 18, 1820, Worthington, Mass.; d. Jan. 18, 1911, Syracuse, N. Y.
- 1847 John Parker Lee, b. Jan. 15, 1821, Stanstead, Quebec, Canada; d. Nov. 22, 1910, Los Angeles, Cal.
- 1850 George Stillman, b. Nov. 30, 1826, Sheffield, Mass.; d. June 12, 1910, Rockville Center, N. Y.
- 1854 Henry Baker, b. June 19, 1829, Rochester, N. H.; d. July 25, 1910, Chautauqua, N. Y.
- 1854 Calvin Beach Ford, b. May 8, 1828, Milford, Conn.; d. Nov. 30, 1910, Milford, Conn.
- 1855 William Hawley Fanton, b. Jan. 14, 1834, Redding, Conn.; d. Sept. 3, 1910, New York, N. Y.
- 1856 Burwell Philip Goode, b. Feb. 25, 1833, New Burlington, Ohio; d. April 23, 1910, Wyoming, Ohio.
- 1856 William Vanderan Snyder, b. June 15, 1839, Paterson, N. J.; d. May, 1910, Genoa, Italy.
- 1857 Edward Warren Virgin, b. June 29, 1836, Marlboro, Mass.; d. Sept. 18, 1910, Dedham, Mass.
- 1859 Frederic Shepard Barnum, b. Feb. 3, 1837, Bethel, Conn.; d. March 28, 1911, Kingston, N. Y.
- 1863 Truman Hiram Kimpton, b. Nov. 14, 1840, Hunterstown, Quebec, Canada; d. April 22, 1911, Worcester, Mass.
- 1863 David Weston Yates, b. July 25, 1835, Mount Pleasant, Pa.; d. May 20, 1911, Saratoga, N. Y.
- 1864 Henry Baker, b. Oct. 1, 1843, Pennington, N. J.; d. March 12, 1911, Clifton Springs, N. Y.
- 1864 Henry Cruise Murphy Ingraham, b. May 2, 1838, Amenia, N. Y.; d. Feb. 15, 1911, Brooklyn, N. Y.
- 1868 Michael Hays Perry, b. Sept. 25, 1846, Red Bank, N. J.; d. July 3, 1910, Washington, D. C.
- 1872 Robert James Round, b. Nov. 1, 1848, Fort Wayne, Ind.; d. Nov. 24, 1910, Elmira, N. Y.
- 1874 John Henry Pillsbury, b. Dec. 20, 1846, Limington, Me.; d. Dec. 20, 1910, Waban, Mass.
- 1875 Franklin Harris Griffin, b. Jan. 6, 1852, Flushing, N. Y.; d. March 5, 1911, Flushing, N. Y.

- 1880 Robert Stephenson Crawford, b. June 21, 1852, Manor Hamilton, Ireland; d. Dec. 4, 1910, Hunter, N. Y.
- 1884 Albert Perry Walker, b. June 9, 1862, Alton Bay, N. H.; d. March 28, 1911, Newtonville, Mass.
- 1888 Thomas Dudley Wells, b. May 9, 1862, Belmont, N. H.; d. Dec. 7, 1910, Hartford, Conn.
- 1894 Lizzie Chapin Rice (Barnes), b. January 21, 1865, New London, Conn.; d. Jan. 29, 1911, Middletown, Conn.
- 1902 Jessie Marion Winans (Betts), b. Feb. 28, 1880, Boston, Mass.; d. Sept. 20, 1910, White Haven, Pa.
- 1903 James Herbert Baker, b. Oct. 20, 1881, Concord, N. H.; d. Sept. 9, 1910, Boston, Mass.
- 1909 Raimond Düy Baird, b. Dec. 26, 1887, New York, N. Y.; d. April 29, 1911, Liberty, N. Y.

Non-Graduates

- 1840 James Kellogg, b. April 13, 1817, New Hartford, Conn.; d. June 20, 1906, Yountville, Cal.
- 1843 Ira Lewis, b. May 5, 1820, Lyn, Ont., Canada; d. Jan. 13, 1903, Goderich, Ont., Canada.
- 1848 Seneca Howland, b. Dec. 20, 1819, Danby, N. Y.; d. Jan. 12, 1907.
- 1850 John Everett Johnson, b. Aug. 8, 1829, Troy, N. Y.; d. Feb. 2, 1910, Syracuse, N. Y.
- 1855 John Milton Bonham, b. Nov. 26, 1835, York, Pa.; d. June 17, 1897, Atlantic City, N. J.
- 1856 Austin Gardner, b. July 2, 1826, Bozrah, Conn.; d. March 3, 1911, Willington, Conn.
- 1858 Charles Henry Stocking, b. April 15, 1837, Norwalk, Conn.; d. Sept. 3, 1910, South Orange, N. J.
- 1860 Amasa Franklin Haradon, b. Sept. 14, 1837, Webster, Mass.; d. June 27, 1909, Chicago, Ill.
- 1867 Henry Draper Harrower, b. June 10, 1846, North Adams, Mass.; d. April 23, 1907.
- 1871 William Fletcher Graves, b. Feb. 16, 1850, Bristol, Vt.; d. March, 1911, St. Paul, Minn.
- 1872 George Webber Stone, b. Jan. 7, 1849, Jay, Me.; d. Oct. 2, 1910, Livermore Falls, Me.
- 1877 John Atwood Bowler, b. Oct. 25, 1852, Watertown, Mass.; d. Feb. 28, 1911, Springfield, Mass.

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WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



A Record of Scientific Work, 1831-1911

BULLETIN 49 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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MIDDLETOWN, CONNECTICUT
PELTON & KING





WILLBUR FISK
1792-1839
First President

SOUTH COLLEGE
Erected 1824 5
Oldest Building
Administration Offices

LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

INTRODUCTION

THE purpose of this bulletin is to place before the alumni of Wesleyan University a record of scientific achievement at this institution. A brief account of each of the several scientific departments is given, followed by short biographies and by bibliographies of all teachers of science who now hold at the University at least the rank of instructor, and of all who have held the rank of professor in the past. The biographies are modeled after those in "American Men of Science." A careful censorship has been made of the bibliographies. As now published, they include in each case only that portion of the author's work which was done during his term of office at this institution. Work done while he was here but published after he left is included. Work done before he came, though published afterwards, is excluded. Many of our professors have rendered valuable service by numerous and widely known lectures of a popular or semi-popular nature on scientific topics. It has been deemed advisable, however, to exclude all unpublished material from the bibliographies.

A comparison of the scientific strength of the various institutions of the United States has recently been made by Professor J. M. Cattell, Editor of "American Men of Science." In his paper¹ about one thousand men are selected as the leading scientific students in the country, and the institutions with which the greater part are connected are compared. This is done in four ways by means of four ratios: first, the ratio of the total number of instructors in the institution to the number belonging to the thousand; second, the ratio of the number of students in the institution to the number of instructors in the thousand; third, the ratio of the value of the investments in buildings and grounds to the number of such instructors; and, finally, the ratio to the same number of the income which the institution spends annually.

Regarding the results of the first method of comparison, Professor Cattell says (page 589): "These differences are truly remarkable and should be widely known in the interest of scientific education and the advancement of science. Institutions differ in the relative strengths of their departments, but it will be found that those which have men of distinction in the natural and exact sciences also have such men in other subjects. Students should certainly use every effort to attend institutions having large proportions of men of distinction among their instructors. It will be ordinarily the case that in such institutions the younger instructors are also of higher standing. Scientific men, especially those beginning their careers, should try to accept positions only where the higher standards obtain." The accompanying tables show that the forty-five most prominent² institutions differ widely in this respect. The ratio for Clark University, which is very much better than for any other, is 2.0. Wesleyan is seventh in the list with a ratio of 8.5, and George Washington last with a ratio of 61.6. Clark is also at the head of the second list. She has one of the thousand men for every 17.7 students. Wesleyan is eighth with one for every 80.5 students, and Syracuse last with one for every 627.2 students. The numbers in

¹ Reprinted from "Science" in "American Men of Science", N. Y. Science Press, second edition (1910), pp. 564-596.

² *i. e.*, "institutions with which three or more of our thousand leading men of science are connected."

the third table are given for only thirty-eight institutions, and are stated to be untrustworthy because of difficulty in obtaining uniform valuations of the several properties. So far as they are valid they show that the Massachusetts Institute has the smallest ratio, 53,480, that Wesleyan with the ratio 220,616 is eighteenth, and that Vassar is last with 616,421. The corresponding order and numbers given by the fourth method are, Johns Hopkins first, 10,121, Wesleyan seventh, 25,613, Syracuse last, 148,350.

Such comparisons in the case of a small college are not as reliable as in the case of a large one, because of the greater errors in the ratios produced by a probable error in the choice of the thousand men. Moreover, as Professor Cattell points out (page 591), the men standing highest on the list are for the most part at the great universities, and should not be ranked on an equal basis with those below them. But the estimates are nevertheless of considerable value, and at least they afford trustworthy assurance that the position occupied by Wesleyan is an honorable one.

At the time of the founding of Wesleyan University, in 1831, and for the first nine years thereafter, five "Departments, or General Classes" of studies were recognized, namely: "Moral Science and Belles-Lettres, Mathematics, Natural Science, Ancient Languages and Literature, and Modern Languages." During the early years various instructors taught the several branches of science then included in these general classes. Of these instructors two deserve special mention. Augustus William Smith was the first Professor of Mathematics, and was at the head of that department for the first twenty-six years. He was Acting President of the University for two years and was President from 1852 to 1857. Later he held the chair of Natural Philosophy at the United States Naval Academy at Annapolis. John Johnston served the college for a period of thirty-six years, first as Assistant Professor of Mathematics and Lecturer in Natural Science, and afterwards as Professor of Natural Science. He made some important investigations in the subject of chemistry. Professor Johnston's lectures were given in a small brick building which

formerly stood back of North College. (It was demolished in 1907.) It was built in 1825 by Captain Partridge, to be used as the gun house of the American Literary, Scientific, and Military Academy. In 1836 it was fitted up as a chemical laboratory, and continued to be so used till 1871, when all instruction in chemistry, natural history, and natural philosophy was transferred to Judd Hall, which was completed in that year.

Geology and Natural History were first recognized as a separate department in 1868, when William North Rice was appointed to the professorship of these subjects. Chemistry was thus recognized in 1873 when Wilbur Olin Atwater became instructor, Physics in 1880 with the appointment of Morris Barker Crawford as instructor, and Biology was separated from Geology when Herbert William Conn became instructor in that subject in 1884. Astronomy has always remained a part of the Department of Mathematics. The present organization of the Department of Philosophy dates from the appointment of Andrew Campbell Armstrong Professor of Philosophy in 1888.

HISTORIES OF DEPARTMENTS

DEPARTMENT OF MATHEMATICS AND ASTRONOMY

For almost the whole period of its eighty years of existence, there have been but two men in charge of the Department of Mathematics and Astronomy. Partly to the continuity of their leadership, more to the personality and ability of these men, are due the development and the achievements of this department.

The work of Augustus William Smith has already been noted. "No man," said the late Bishop Foss, "ever was to me, on the whole, so inspiring and admired a teacher as Augustus W. Smith, author of the book on Mechanics in the college course in those days, which few ever mastered. He was a gracious, sweet, Christian gentleman."

The second man needs no introduction to the readers of this article. John Monroe Van Vleck, a graduate of Wesleyan of the class of '50, became Adjunct Professor of Mathematics in 1853, and in 1858 Professor of Mathematics and Astronomy, a title which has been his for nearly fifty-three years (Emeritus since 1904). Professor Van Vleck has been

Acting President of the University at three different times, four years in the aggregate, and from 1890-1903 he was Vice-President.

The work of John Johnston, who became an assistant professor in 1835, was also mentioned in an introductory paragraph. Harvey Bradburn Lane was Assistant Professor of Mathematics and Natural Philosophy in 1839-40, and Professor of Mathematics and Civil Engineering from 1840 to 1843.

Following the latter there was no assistant professor for fifty-five years. There was, however, a long, and rather remarkable list of instructors, of whom the great majority were Wesleyan men. Among them were:

Edgar Moncena Smith, D. D., '71, later President, Illinois Wesleyan;
Morris Barker Crawford, A. M., '74, Professor of Physics, Wesleyan;
Clarence Abiathar Waldo, Ph. D., '75, Professor of Mathematics,
Washington University;

Abram Winegardner Harris, Sc. D., LL. D., '80, President, North-
western University;

Henry Seely White, Ph. D., '82, Professor of Mathematics, Vassar
College;

William John James, A. M., '83, Librarian, Wesleyan;

Edward Burr Van Vleck, Ph. D., LL. D., '84, Professor of Mathe-
matics, University of Wisconsin;

William Snyder Eichelberger, Ph. D., Professor of Mathematics,
U. S. Navy;

George Herbert Ling, Ph. D., Professor of Mathematics, University
of Saskatchewan.

In 1895 Edward Burr Van Vleck was made Associate Professor of Mathematics, and in 1898 he was promoted to a full professorship. Upon the retirement of his father in 1904, he became the head of the department, resigning in 1906 to accept a call to the University of Wisconsin. In the years 1906-8, Thomas Emery McKinney was Associate Professor and acting head of the department; since 1908 this position has been held by LeRoy Albert Howland, '00. The other instructors in the department at present are Associate Professor Burton Howard Camp, '01, and John Kenyon Lamond.

The material equipment of the department has been remarkably good for a college of the size of Wesleyan. As early as 1837 a very respectable six-inch telescope was purchased and certain other astronomical instruments. In 1839 a bill for setting a stone for the transit instrument was

ordered paid, and probably about this time also the octagonal observatory was built. This was a small wooden structure, placed at first at the rear of Professor Smith's house, where Professor Rice now lives, and moved about 1854 to the spot now occupied by the southwest corner of Rich Hall. It was removed in 1866. A new refracting telescope of twelve-inch aperture was mounted in the tower of Observatory Hall in 1869. It was made by Alvan Clark, of Cambridge, and at that time it was the second best in the country. In 1880 the transit house was completed, and in it were mounted the present three-inch zenith telescope, with collimators, and the prime vertical instrument. For a complete list of the astronomical equipment the reader is referred to the current catalogue. It is hoped that in the near future this valuable apparatus, collected during the past forty years by the untiring efforts of Professor J. M. Van Vleck, may be suitably housed. In 1903 a gift of \$25,000 was received from the late Joseph Van Vleck to be used toward the erection of a new observatory. This gift, with its accumulations, now amounts to about \$57,000.

The department has also a good collection of surveying instruments. It owns a set of mathematical models, both plaster and string, some three hundred in number, made by Brill of Darmstadt. These models formed part of the German exhibition at the World's Columbian Exposition at Chicago. Through the generosity of Ebenezer Hill, '70, Professor J. M. Van Vleck was enabled to purchase them.

DEPARTMENT OF GEOLOGY

Instruction in geology seems to have been begun two years after the founding of the institution. In the year 1833-4, William Williams Mather was Acting Professor of Natural Science, and the catalogue shows that instruction was given in mineralogy and geology. Professor Mather afterwards took an honorable part in the Geological Survey of the State of New York, and in the later years of his life he was Professor of Natural Science in Ohio University and for several years Acting President. In the year 1834-5, Oliver Payson Hubbard was Lecturer on Natural Science, and gave instruction in mineralogy and geology. He was subsequently for many years Professor of Chemistry, Mineralogy, and Geology in Dartmouth College. Both of these able men were connected with the college so short a time that they made little impression upon its life. Professor John Johnston, who came here in 1835, and whose

long term of service covered a period of 38 years, made a name memorable in the history of the University. He was greatly honored and loved by the students of four decades. He was chiefly a chemist; but he gave a good deal of attention to mineralogy, and collected largely from the famous mineral localities in the vicinity of Middletown. He also lectured every year on geology proper, but was less interested in that science than in mineralogy. William North Rice was elected Professor of Geology and Natural History in 1867, and, after a year's leave of absence, entered upon his work in 1868. Until 1884 his department included substantially what is now included in the two departments of Geology and Biology. Since 1884 he has been Professor of Geology. The division of the department has, of course, rendered it possible to extend the scope of instruction in geology more widely than before; but it is needless to say that no one man can do justice to the wide field which is still included in the Department of Geology. Since 1907 an additional instructor (non-resident) has been employed for the class in physical geography. During the past year this work has been done by Walter Ransom Barrows.

THE MUSEUM

When Wesleyan University was organized in 1831, it found a very small nucleus of a museum already provided. In one of the buildings of the American Literary, Scientific, and Military Academy, which was the local predecessor of Wesleyan University, there was found at the time of the organization of the college a small collection of minerals and fossils belonging to the somewhat eccentric botanist and geologist, Joseph Barratt, who had been a teacher in the former institution. That collection was purchased from Dr. Barratt, and thus began the history of the Museum of Wesleyan University.

Dr. Johnston, who was appointed to the Wesleyan Faculty in 1835, collected extensively from the mineral localities in Middletown and vicinity, so that early in the history of the college it came to have a good representation of local mineralogy. In 1858 the Franckfort collection of minerals was purchased, which included a large number of choice specimens, mostly from European localities. With the acquisition of that collection, the college had already a very respectable mineralogical department for its museum.

Very little had been done in the way of making a zoölogical collection until the purchase of the Shurtleff collection in 1868. This collection was made by a physician and amateur naturalist residing in Westfield, Mass. It included specimens of molluscan shells representing thousands

of species from all parts of the world, several hundred skins of birds, chiefly North American, a herbarium, chiefly of New England plants, and considerable miscellaneous material. A good many of the bird skins included in the collection were subsequently mounted for public exhibition.

William North Rice was elected Professor of Geology and Natural History in 1867, and entered upon his work in 1868. During the whole of his period of service as professor he has given much attention to the Museum. Besides having the chief responsibility for the general plans of museum administration, he has done himself a large amount of work in collecting, cataloguing, labeling, and arranging the specimens.

Orange Judd Hall of Natural Science was dedicated in 1872, and the opening of that building marks a new era in the history of the Museum. The material which the college possessed was previously scattered about in different buildings, and a considerable part of it was comparatively inaccessible. These conditions rendered it of comparatively little use, either for class work or for popular education. The large exhibition room formed by the two upper stories of Judd Hall gave opportunity for a far more satisfactory display of material. George Brown Goode, who was graduated in 1870, was appointed at that time Assistant Curator of the Museum. After a few months spent in study in Harvard University, he returned to Middletown to enter upon his work. He at once displayed that genius for museum administration which in later years made his name illustrious as Director of the United States National Museum. Mr. Goode served as Curator of the Museum of Wesleyan University from 1871 until 1879, although during most of that period his time was divided between the little museum of Wesleyan and the great museum at Washington. Professor Baird, the distinguished Director of the National Museum, recognized the remarkable capacity of young Goode for that sort of work, and needed his assistance in the reorganization of the collections at Washington, which was going on in that decade. For a number of years Mr. Goode spent his winters in Washington, having leave of absence from Wesleyan University, with the understanding that Wesleyan should be compensated for the lack of his services by liberal donations to be selected by him from the vast store of duplicates in the National Museum. It is needless to say that this arrangement resulted in very important additions to the collection of Wesleyan University. During that same decade Mr. Goode spent his summer vacations largely with the United States Fish Commission at various points along the Atlantic coast. Two of those years Professor Rice also worked with the Fish Commission. The opportunities

afforded by the steamer and other boats and the apparatus belonging to the United States Fish Commission made it possible to obtain a very good representation of the fauna of the Atlantic coast of the United States. During that decade the zoölogical collection acquired a good degree of symmetrical development. In 1879 the demands of the work at Washington compelled Mr. Goode to terminate his connection with Wesleyan University, but in those few years he had created a museum. Thenceforward, until the time of his death, his extraordinary ability for museum administration found a larger and more worthy field in the National Museum.

A number of young naturalists of promise were employed as assistants in the Museum for short periods during the later years of Mr. Goode's curatorship and the decade which followed. Among these may be mentioned John Henry Pillsbury, afterwards Professor in Smith College; Henry Leslie Osborn, now Professor in Hamline University; Walter Bradford Barrows, now Professor in Michigan Agricultural College; John Littlefield Tilton, now Professor in Simpson College; Aaron Louis Treadwell, now Professor in Vassar College; and John Hendley Barnhart, now Librarian of New York Botanical Garden.

In 1893 Samuel Ward Loper was appointed Assistant in the Museum, and the following year his title was changed to Curator. The latter position he held until his death in 1910. He devoted himself to the work of the Museum with a passionate enthusiasm. Circumstances had denied him the coveted opportunity of a liberal education in early youth, but his irrepressible love of science had made him a self-taught naturalist. He had taken a special course of study in Wesleyan University when already more than fifty years of age. He had been an indefatigable collector of minerals and fossils and Indian relics, and his private collection has been purchased and incorporated with the collections in the University. In the seventeen years of his connection with the Museum of Wesleyan he showed himself a prince of collectors. Many departments of the Museum, most of all the department of paleontology, were very greatly increased by his collecting expeditions, far and near. His tact and geniality enabled him to conciliate the friendship of all sorts of people and secure donations for the Museum. In most departments of the Museum he replaced the old manuscript labels with labels printed by his own hand on his own printing-press. He knew how to display specimens to the best artistic effect. He could do almost any kind of museum work, from the identification of specimens to the building of cases. The enthusiasm with which, on the public days, he guided visitors, young and old, through the Museum and

explained to them its treasures, added vastly to the usefulness of the Museum as a means of popular education. In the history of the Museum Mr. Loper's name is second only to that of George Brown Goode.

It has been deemed impracticable for the present to appoint a curator who will in any sense take the place of Mr. Loper. The hall of the Museum is overcrowded, and the same is true of the whole building. There is imperative need of larger accommodations for the Museum and for the work of the two departments of Geology and Biology to which it is related. Any general reorganization of the Museum must be postponed until the erection of one or more new buildings shall furnish adequate space, and some new director shall be able to work out new plans. In the meanwhile the necessary work of routine administration of the Museum is attended to by Dr. Whitney as Acting Curator, in consultation with Professor Rice.

It is needless to say that the Museum of Wesleyan University is not one of the great museums of the country. It is, however, sufficient to do good work for its primary purpose as an educational museum. It is in general supplied with the typical specimens requisite for lecture illustration. Incidentally it does a useful work in popular education. Its collections are well displayed and accessible on certain days to the general public. It is often visited on other days by classes from the schools of Middletown and vicinity. While a small museum cannot possess the wealth of miscellaneous collections that are found in the large museums, there is one particular service which every small museum ought to render, and that is the exhibition of local objects. In all the history of the Museum of Wesleyan University there has been a consistent effort to develop it as a local museum. At present its collections are very rich in local material, particularly the rare and interesting minerals from the pegmatite dikes so characteristic of the crystalline rocks east of Middletown, and the fossil plants and reptilian tracks of the Triassic shales and sandstones.

THE STATE GEOLOGICAL AND NATURAL HISTORY SURVEY

The present State Survey was organized by act of the Legislature in 1903. At that time more than sixty years had elapsed since the conclusion of the work of the first geological survey of Connecticut. That first geological survey resulted in two important publications, a report on the mineralogy and economic geology of the state, by Charles Upham Shepard, and a report on the general geology of the state, by James Gates Percival. Dr. Percival's report, considering the meagreness of the appropriations with which he worked, and the lack of any tolerable

maps of the state, was a marvellous piece of work in the conscientious accuracy with which the limits of the different formations of the state were defined. In the years which have elapsed since 1842, the science of geology has vastly changed. The new views which have been developed in dynamical geology require a new interpretation of facts previously known, and bring into existence new questions whose answer requires the study of the rocks by modern methods and in greater detail. There was, then, abundant need of a new geological survey of the state. It is true that in the interval since the publication of the Percival report, a good deal of good work had been done by geologists of the United States Geological Survey and by independent workers. But the results of those investigations, so far as published, were scattered through a variety of official reports and scientific serials where they were practically inaccessible to most of the people of the state. About ten years before the establishment of the present State Survey, a topographic map of the state had been made by a State Commission in coöperation with the United States Geological Survey. Besides its utility in many other ways, this topographic map affords a satisfactory base for the accurate mapping of geological phenomena.

Prior to the year 1903, no provision had been made for a botanical or zoölogical survey of the state. Some investigations had been made under the direction of the State Board of Health which had a bearing upon the natural history of the state, and some papers relating to the natural history of the state had been published by the Board of Agriculture and the Board of Education. But it was altogether reasonable that in 1903 a State Survey should be established, charged with the investigation both of the geology and of the botany and zoölogy of the state.

The law by which the Survey was established provides a very simple form of organization. The Survey is under the direction of a Board of Commissioners consisting of the Governor and the Presidents of the four colleges in the state. This Board have authority to employ a Superintendent and such other employees as they deem desirable, and to discharge any employees at their discretion. In the summer of 1903, Professor Rice of Wesleyan University was appointed Superintendent of the Survey, and has continued in that position to the present time.

The appropriations for the support of the Survey have been so small that the work has inevitably been prosecuted on a very humble scale. The total appropriation for all purposes of the Survey apart from publication has been \$3,000 for each biennial term, or \$1,500 per year. With so small an appropriation it has not been deemed wise to provide for a staff of permanent officers. No permanent salaried officer has been

employed except the Superintendent. In general, scientific men have been employed on specific contracts to prepare reports or bulletins on particular subjects. In most cases the men who have been invited to prepare bulletins have been already engaged on their own account in the investigation of the subjects on which they were invited to prepare reports. The State Survey has therefore formed a convenient and desirable medium of publication for investigators who were already at work on subjects relating to the geology, botany, and zoölogy of the state. In such cases, scientific men have been glad to furnish the results of their investigation for publication in the form of bulletins of the Survey, for merely nominal compensation. In that way, notwithstanding the meagreness of the appropriation, a large amount of valuable material has been published. The law establishing the Survey proposed definitely three objects for its work: the increase of knowledge in regard to the geology and the natural productions of the state, the advancement of the economic interests of the state by calling attention to products of economic utility, and the advancement of the educational interests of the state by the publication of reports on the natural history of the state adapted to assist the teachers of the state in their work. All three of these objects have been in view in the plan of the work of the Survey, and it is believed that the publications of the Survey have been of great value scientifically, economically, and educationally. The following is a list of the bulletins which have thus far been published:

1. First Biennial Report of the Commissioners of the State Geological and Natural History Survey, 1903-1904.
2. A Preliminary Report on the Protozoa of the Fresh Waters of Connecticut; by Herbert William Conn.
3. A Preliminary Report on the Hymeniales of Connecticut; by Edward Albert White.
4. The Clays and Clay Industries of Connecticut; by Gerald Francis Loughlin.
5. The Ustilagineæ, or Smuts, of Connecticut; by George Perkins Clinton.
6. Manual of the Geology of Connecticut; by William North Rice and Herbert Ernest Gregory.
7. Preliminary Geological Map of Connecticut; by Herbert Ernest Gregory and Henry Hollister Robinson.
8. Bibliography of Connecticut Geology; by Herbert Ernest Gregory.
9. Second Biennial Report of the Commissioners of the State Geological and Natural History Survey, 1905-1906.

10. A Preliminary Report on the Algæ of the Fresh Waters of Connecticut; by Herbert William Conn and Lucia Washburn (Hazen) Webster.
11. The Bryophytes of Connecticut; by Alexander William Evans and George Elwood Nichols.
12. Third Biennial Report of the Commissioners of the State Geological and Natural History Survey, 1907-1908.
13. The Lithology of Connecticut; by Joseph Barrell and Gerald Francis Loughlin.
14. Catalogue of the Flowering Plants and Ferns of Connecticut growing without cultivation; by a Committee of the Connecticut Botanical Society.
15. Second Report on the Hymeniales of Connecticut; by Edward Albert White.
16. Guide to the Insects of Connecticut; prepared under the direction of Wilton Everett Britton. Part 1, General Introduction; by Wilton Everett Britton. Part 2, The Euplexoptera and Orthoptera of Connecticut, by Benjamin Hovey Walden. [In press.]
17. Fourth Biennial Report of the Commissioners of the State Geological and Natural History Survey, 1909-1910.

In the next biennial term, and probably for several years thereafter, the larger part of the appropriation of the State Survey will be expended in an investigation of the water resources of the state, both on the surface and underground. This investigation is to be made in coöperation with the United States Geological Survey, and will be under the general charge of Professor H. E. Gregory of Yale University. It will include the establishment of gaging stations on a number of the Connecticut rivers, and the accumulation of data in regard to the stream flow at different seasons, with reference to the question of storage reservoirs, control of floods, and utilization of water for water power as well as for other purposes. It will also include a far more detailed study than has ever been made of the underground waters of the State. The fact that a number of our large towns have been threatened with water famine in recent years indicates that this investigation is a very timely one.

In the next biennial term no new work will be contracted for excepting the investigation of water resources, but there are more than a dozen bulletins already contracted for, completed, or well advanced towards completion, which it is hoped will be published in the near future.

DEPARTMENT OF CHEMISTRY

Chemistry has been taught at Wesleyan since the founding of the University in 1831. From 1835 to 1873 instruction in this branch of science was given by John Johnston. With the erection of Judd Hall it first became possible for students to do laboratory work, and this work commenced with a course in qualitative analysis under Professor Rice. Wilbur Olin Atwater, of the class of '65, was appointed Instructor in Chemistry in 1873. He became Professor of Chemistry the following year, and so continued till his lamentable death in 1907.

In 1889 Walter Parke Bradley was appointed Instructor in Chemistry under Professor Atwater. He was advanced to the position of Associate Professor in 1890, and to that of Professor in 1893. Since the death of Professor Atwater, Professor Bradley has been the head of the department.

In 1896 Francis Gano Benedict, who had already held the position of Instructor in the Massachusetts College of Pharmacy, was appointed to an Instructorship in Chemistry at Wesleyan. He was given a considerable portion of the work of instruction which had previously been done by Professor Atwater, and thus the latter was able to devote nearly all of his time thereafter to research with the respiration calorimeter, an important invention which will be referred to again below. In 1901, Dr. Benedict was made Associate Professor, and in 1905, Professor. By this time, Professor Atwater had already been laid aside by the lingering illness of which he afterwards died. In 1907 Dr. Benedict was called from Wesleyan to become Director of the Nutrition Laboratory of the Carnegie Institution at Boston, a position which he still holds.

Among those who have been officers in the department and have not reached the rank of professor, but who, after serving Wesleyan, have been called elsewhere to educational and scientific positions of honor, are the following:

Arthur T. Neale, Ph. D., '73, Director of the Agricultural Experiment Station, Newark, Del.;

J. H. Long, Sc. D., Professor of Chemistry in the Medical School of Northwestern University, President of the American Chemical Society, 1903-4;

C. D. Woods, Sc. D., '80, Director of the Maine Agricultural Experiment Station;

E. W. Rockwood, M. D., Ph. D., Professor of Chemistry and Toxicology at the University of Iowa;

- F. B. Dains, Ph. D., '90, recently appointed Associate Professor of Chemistry, University of Kansas, President of the Kansas Academy of Sciences, 1909 and 1910;
- O. F. Tower, Ph. D., '92, Professor of Chemistry, Adelbert College of Western Reserve University;
- C. F. Langworthy, Ph. D., Chief of Nutrition Investigations, U. S. Dept. of Agriculture, and Associate Editor of the Experiment Station Record;
- J. F. Snell, Ph. D., Assistant Professor of Chemistry, McGill University, Montreal;
- H. E. Wells, Ph. D., Professor of Chemistry, Washington and Jefferson College;
- A. W. Rowe, Ph. D., Professor of Chemistry, Harvard Medical School;
- C. F. Hale, Ph. D., '03, Research Chemist, General Electric Company, Schenectady, N. Y.;
- T. M. Carpenter, B. S., associated with Dr. Benedict in the Carnegie Nutrition Laboratory, Boston;
- J. W. Turrentine, Ph. D., since May 1 of the current year, engaged in researches upon the physical chemistry of soils, Bureau of Soils, Department of Agriculture, Washington, D. C.

Besides Professor Bradley, the personnel of the department this year includes Raemer Rex Renshaw, Instructor since 1907, and J. W. Turrentine, Instructor since 1908.*

From the beginning of the department, its officers have devoted a part of their energies to research. Doubtless no one factor has contributed more largely to the scientific distinction of Wesleyan than did the labors of Professor Atwater along the various lines of research in which he was interested. His early work on the chemistry of soils and also his studies of nutrients and of problems in dietetics will be spoken of more fully in an article by Dr. True; but it was his later work with the respiration calorimeter through which Wesleyan came to be best known. This apparatus was developed by Professor Atwater and his colleagues, notably Professors Rosa and Benedict, and with it the world-famous inquiries regarding the nutrition of man were conducted. Many of the foremost investigators in this and allied fields the world over came to visit this laboratory. Not the least noteworthy factor in Professor Atwater's success was his ability to enlist the practical interest

* Resigned May 1, 1911.

and the financial coöperation of institutions and of men of wealth. The State of Connecticut aided him through the Storrs Agricultural Experiment Station. The U. S. Government aided him with increasing generosity through the Bureau of Experiment Stations, and later, almost immediately after its founding, the Carnegie Foundation came most liberally of all to his support.

Wesleyan's connection with these researches came to an end at the death of Professor Atwater, inasmuch as they were then taken over by the Carnegie Institution, and the expensive plant which had been developed was transferred to Boston and installed in the splendidly equipped nutrition laboratory, over which Dr. Benedict presides.

In one other line of research the Department of Chemistry has earned a degree of recognition, namely, the inquiries of Professor Bradley and his associates into problems connected with the liquefaction of gases, and the attainment and utilization of low temperatures.

It is interesting to note that, as long ago as the late thirties, in the early days of Professor Johnston's incumbency, Wesleyan was something of a pioneer in cryogenics, as this field has more recently been called. In 1836 Professor Johnston had already liquefied and solidified carbonic acid gas, and was demonstrating both processes before his classes. As this gas had never been solidified until 1834, and as this achievement of Thilorier remained for some time the most noteworthy one in the then highly dangerous field of cryogenics, it will be seen that Wesleyan was at least up to date. Indeed, Professor Johnston was able to improve very materially the apparatus of Thilorier in the directions of safety and economy.

Although it is less than thirteen years since the founding of the present cryogenic laboratory at Wesleyan was undertaken, it is interesting to note that Wesleyan's Board of Trustees was even then the first academic body west of the Atlantic to authorize the establishment of a liquid air plant for research. Loyal alumni contributed the necessary funds, the liquefier was constructed on the grounds, the accessory apparatus was purchased, and, on July 29, 1902, the production of liquid air by this plant was first accomplished. With the present apparatus, the output of liquid air per hour is five liters, with a consumption of from ten to twelve horse power. From this laboratory considerable contributions have been made to the science of cryogenics. Professor Bradley has delivered many lectures on the subject before scientific societies, and several of his published papers in this field have, by permission, been translated in full and republished in Germany.

In addition to these two more extensively prosecuted lines of research, there have been a number of additions to the knowledge of organic chemistry by Professor Bradley and later by Dr. Renshaw and their associates, and to physical chemistry by Dr. Turrentine.

THE RESPIRATION CALORIMETER

As a logical outcome of his interest in investigations in the nutrition of animals, Professor Atwater early became interested in the nutrition of man and the need of some satisfactory laboratory apparatus for studying the problems connected with the income and outgo of the human body, the use which it makes of its food supply, the work which it performs, the value of different food combinations, and similar questions. To meet such needs an apparatus was devised for measuring not only the gases of respiration, but also the heat liberated from the body. The apparatus was called a "respiration calorimeter." This apparatus, the construction of which was begun in 1892 at Wesleyan University, was developed and improved each year until it finally outgrew the quarters at Wesleyan University and the work is now housed in a special laboratory built in Boston.

In its general design the respiration calorimeter was inspired by the Pettenkofer apparatus built about sixty years ago at Mnnich. After a considerable amount of experimenting the Atwater-Rosa calorimeter was completed, and this enabled the investigators to study the carbon dioxide excretion from the lungs and the heat production. It was not then possible, however, to measure directly the amount of oxygen used, and as this was felt to be necessary the apparatus was modified by the introduction of devices for this purpose, the expenses for the improvement being defrayed by the Carnegie Institution of Washington. The apparatus consists of an air-tight copper box, through which a ventilating current of air is pumped at such a rate that the subject can always be supplied with a sufficient amount of pure air. The chamber contains a folding bed, a chair, and a table, and is provided with a window for the introduction of food and drink, and for the removal of excreta. The ventilating current of air, as it leaves the apparatus, passes through purifying vessels that remove the carbon dioxide and water vapor which make up the respiratory products given off by the lungs and skin. Oxygen is then added to the air current to make up for that withdrawn by the subject for the internal processes of combustion in the body. Thus purified and supplied with oxygen so that it is fit to be breathed, the air current is again passed through the

respiration chamber, and this circulation of air is kept up as long as the experiment continues. The apparatus has been subjected to the most critical tests for accuracy, and has demonstrated itself to be literally an instrument of precision.

The purpose of the experiments with the respiration calorimeter is to study the fundamental laws of normal nutrition, and in the apparatus at Wesleyan University all experiments were made with active men in good health, *i. e.*, with normal subjects, and the majority were laboratory assistants or students of mature years. The experiments covered varying conditions of diet, work, rest, etc. The diet was carefully chosen so that it might be suited in quantity and composition to the subject's need and to the purpose of the experiments, and the food was made palatable in order to insure normal results. In some of the experiments, the subjects, for purposes of comparison, had a limited supply of food or were fasting.

Among the numerous important researches that were carried out with the apparatus while at Wesleyan University was an experimental inquiry into the nutritive value of alcohol, in which varying amounts of alcohol were ingested, along with different foods, and the amount of alcohol oxidized and the replacement of other food by alcohol were carefully studied.

A long series of experiments was made in studying the relative efficiency of fats and carbohydrates as sources of muscular work. In these experiments a special form of stationary bicycle, an "ergometer," was devised and afforded a very accurate measure of the amount of energy transferred from the leg muscles to the pedals of the bicycle. The apparatus was also used successfully for the purpose of determining the efficiency of the human body as a machine.

Another series of interesting experiments was made in which the effect of mental work on metabolism was studied. Twenty-two Wesleyan students took their mid-year examinations in the chamber. These examination periods were followed within a few days by control periods. The results showed no material influence of mental activity upon the transformation of energy and matter in the body.

One of the most far-reaching and important investigations was a study of the influence of inanition on metabolism. A number of men, including one professional faster, fasted in the respiration chamber for periods ranging from two to seven days.

The calorimeter originally in use at Wesleyan University has been dismantled, but several instruments modeled on exactly the same plan are now in active use in the Nutrition Laboratory in Boston, and one

has been constructed at the Department of Agriculture at Washington, where the economic and practical investigations of general food-stuffs—the problem originally studied at Wesleyan University—have since been carried out.

FRANCIS GANO BENEDICT.

DEPARTMENT OF PHYSICS

According to the early catalogues of Wesleyan University, from the foundation of the institution in 1831 down to 1843, whatever courses were offered in the Department of Physics (or, as it was then called, Natural Philosophy) were under the charge of the Department of Mathematics, at the head of which was Professor Augustus W. Smith. Beginning with 1843, lectures in the various branches of physics were given by the Department of Natural Science, at the head of which was John Johnston, who had been appointed Assistant Professor of Mathematics and Lecturer in Natural Science in 1835, and Professor of Natural Science in 1837. After his retirement in 1873 and until 1880, Professor J. M. Van Vleck took charge of the first courses in physics. Under his direction important acquisitions of modern lecture apparatus in physics were secured.

In 1880 Morris B. Crawford was appointed Instructor in Physics, his position being changed to that of Associate Professor in 1881, and of Professor, in 1884. Laboratory work in physics was first offered in 1881. For this work various rooms in Observatory Hall were from time to time annexed. The Peithologian and Philorhetorian Halls, with their adjoining library room, had already (1879) been remodeled for the use of the department, old Peitho having become the Physical Lecture-Room.

In 1891, the department was greatly strengthened by the appointment as Associate Professor of Edward Bennett Rosa, '86, who had already distinguished himself by the publication of important investigations in electricity. In connection with his coming, large accessions were made to the electrical apparatus of the department, the old Chemical Laboratory referred to in the Introduction was fitted up as an electrical laboratory, and a dynamo room and a machine shop were installed in the boiler house. In 1892 Associate Professor Rosa was made Professor. He was associated with Professor Atwater in the construction and perfection of the respiration calorimeter. In addition to this he conducted,

and published the results of, important researches, more particularly concerning alternating electric currents, for the study of which, among other things, he devised an ingenious and unique curve tracer.

In the fall of 1901, Professor Rosa was appointed Physicist of the then recently established National Bureau of Standards. At the close of the college year 1901-02 he removed to Washington, D. C., although he remained a member of the faculty of Wesleyan University, on leave, until a year later.

In 1902 Walter Guyton Cady was appointed Instructor in Physics, in charge of the department of Electricity. In 1903 Dr. Cady was made Associate Professor, and, in 1907, Professor, of Physics. From 1900 to 1902 he had held a responsible position in the United States Coast Survey, and, after coming to Middletown, he devised a self-recording and direct-reading magnetic variometer, one of which has been adopted for use at the Solar Observatory of the Carnegie Institution on Mt. Wilson, California. Professor Cady's later researches have been chiefly concerning the electric arc between metals, and the detection of high-frequency electric oscillations.

On June 30, 1903, the corner-stone of the present physical laboratory, the John Bell Scott Memorial, was laid. The building was dedicated on December 7, 1904, and in January, 1905, all the work of the department was transferred thither. The building was the gift of the late Charles Scott, of Philadelphia, Trustee of Wesleyan University from 1880 till his death in 1904, and of his son, Mr. Charles Scott, of the class of '86, in memory of John Bell Scott, of the class of '81, who died from disease contracted while serving as Chaplain on the United States Cruiser "St. Paul" during the Spanish-American war. The building, with its furnishings, cost over \$120,000. Externally it is an elegant and imposing structure, and internally it proves itself to be conveniently arranged, and adapted to the demands of a first-class modern physical laboratory.

An adequate allowance is made from year to year by the college for the purchase of supplies and for incidental expenses, while for additions of permanent apparatus, besides allowances from time to time from the general treasury of the college, the department has the income of the Crawford Memorial Fund, a fund of \$5,000 given in 1906 by Mr. Hanford Crawford, of St. Louis, in memory of Reverend Morris D'Camp Crawford, Trustee of Wesleyan University from 1871 to 1896. Also the college machine shop, which, since its establishment in 1891, has been in charge of an expert mechanician, has made possible the construction on the

spot of many important pieces of apparatus used for lecture purposes and for research.

Of those who have been Assistants in Physics in recent years, the following may be referred to as having subsequently secured positions of collegiate rank or of significance in lines of research:

Arthur W. Smith, Ph. D., Assistant Professor of Physics, University of Michigan;

Frederick W. Grover, Ph. D., Associate Physicist, National Bureau of Standards;

Clarence A. Pierce, Ph. D., '03, Instructor in Physics, Cornell University, recently appointed Assistant Professor in Electrical Engineering, Worcester Polytechnic Institute;

Harold D. Arnold, M. S., '06, Fellow in Physics, Chicago University, '07-'09, Professor of Physics, Mount Allison University, '09-'10, recently appointed to position in Research Department, Western Electric Co.;

George W. Vinal, A. M., '06, Assistant Physicist, National Bureau of Standards;

Alexander C. Stevens, M. E., ex-'06, recently appointed Instructor in Electrical Engineering, Sibley College, Cornell University.

THE DEPARTMENT OF BIOLOGY

The Department of Biology was organized as a separate department at Wesleyan University by Professor Conn in 1884. The most important work of research that has been carried on in the laboratory has been in bacteriology. This was begun shortly after the department was organized, and in the year 1888 special attention was directed to bacteria in dairy products, a field which up to that time had been almost ignored. A few observations had been made on the general subject in Europe, but practically nothing was known about it on this side of the Atlantic. The establishment of the Storrs Experiment Station under the direction of Professor Atwater made it possible to associate the work of the Biological Laboratory with that of the Experiment Station, and there was begun in 1889 a series of investigations in dairy bacteriology which have resulted in many important changes in dairy methods in this country. For several years the laboratory at Wesleyan remained the only place in the United States where work was done on this subject; but its importance is now generally recognized, and dairy bacteriology

is being studied and practised all over the country. The present method of cream ripening, which controls the making of butter by the use of artificial starters which are bacteria cultures, is likewise the result of work commenced here.

THE STATE BACTERIOLOGICAL LABORATORY

The Connecticut Legislature of 1904 passed a bill authorizing the State Board of Health to organize a State Bacteriological Laboratory. The State Board asked Professor Conn to organize and direct the work. The authorities at Wesleyan put at his disposal sufficient laboratory space for the carrying out of the undertaking; and the actual work was begun in the winter of 1905. The amount of work done at the laboratory has been constantly growing until it is now about six times as great as it was the first year. The number of specimens examined during the last year was nearly ten thousand. The scope of the work has also been increasing as new discoveries have made it possible for such a laboratory to be of practical use in more varied ways. At the present time, the laboratory undertakes the diagnosis of tuberculosis, diptheria, typhoid fever, malaria, rabies, gonorrhea, glanders, and occasionally certain other diseases. The examination of the milk supply of the state is also conducted here.

In addition to the routine work a number of other investigations have been pursued. Among them have been: the effect of ozone as a means of disinfecting water and milk, the effect of lactic acid organisms upon typhoid bacteria in milk, and the action of concentrated milk upon the growth of typhoid bacteria. An investigation has also been made of the Connecticut epidemics of poliomyelitis. By the study of the epidemic of typhoid fever which occurred at Wesleyan in 1894, it was here established beyond doubt that the raw oyster was an agent in distributing typhoid fever.

The work of the laboratory brings it into contact with most of the physicians of Connecticut. Students at Wesleyan who are interested in medical problems with a view to future study of medicine or in the study of bacteriology itself as a profession, have the opportunity of working here and of learning methods of bacteriological analysis from practical experience.

In 1907 the name of this laboratory was changed, and it is now known as the Laboratories of the State Board of Health. Professor Conn is the nominal head of these laboratories and has personal oversight of the investigations already mentioned. Mr. James A. Newlands, Chemist of

the Board, has charge of another important branch of the work. Under his direction extensive examinations of the drinking water of the state and of the effluents from the various sewage beds are being conducted, and at the same time a survey of the water sheds of the state is being made. Recently a thorough study was made of the oyster beds of New Haven harbor for the purpose of determining the sanitary conditions existing there, and a bill is now before the legislature to extend this work along the whole Connecticut coast. The copper content of the oyster, and its effect on its color, are also being investigated.

In the researches of these laboratories five persons are employed. The work is done in three rooms of Scott Hall and in one of Judd Hall.

DEPARTMENT OF PHILOSOPHY

The present organization of the Department of Philosophy at Wesleyan dates from 1888. Certain philosophical subjects were taught by Joseph Cummings during the term of his presidency (1857-75), and for the two following years while he occupied the chair of Mental Philosophy and Political Economy. He resigned from this position in 1877, and for eleven years thereafter the department was in the charge of instructors—often capable thinkers, but who served only a few years each. Since 1888 the several courses of study and the department as a whole have been developed in accordance with settled plans. From time to time the scope of the work has been enlarged—natural scientists will be specially interested in the founding of the Laboratory of Psychology in 1894—but the progress has been organic and along connected lines.

Among these fixed aims has been the cultivation of friendly relations with the sciences of physical nature. Philosophy and psychology form, as it were, links between the physical sciences on the one hand, and the "humanities"—*Geisteswissenschaften*—on the other. With the latter they are even more intimately related than with the former. But with these also they always should stand—and at the present time they commonly do stand—in relations of reciprocal friendship and aid. Thus science and philosophy come together at various points on the borders of their respective fields: in logic and methodology; in empirical psychology, especially in its physiological and experimental developments; even in philosophy proper, where data for speculative interpretation are supplied by science, and philosophy repays the debt by aiding science in the establishment of its own foundation principles. These connections have been kept steadily in mind by the present staff of the

Wesleyan department. And it is hoped that in this way something has been accomplished in the furtherance of intellectual interests within the college, and even in the promotion of knowledge at large.

THE MIDDLETOWN SCIENTIFIC ASSOCIATION

The Middletown Scientific Association, though having no organic connection with the college, is an important auxiliary to the work of the college in scientific education. It was founded in 1871. At that time the scientific work of the college was starting on a new era. Until 1868, John Johnston, the loved and honored Professor of Natural Science, did all the teaching that was done in the sciences of nature, excepting that the Professor of Mathematics taught astronomy and gave a part of the instruction in physics. In 1868 William North Rice entered upon his work in the college, bearing until 1884 the title, Professor of Geology and Natural History, his department representing substantially the departments of geology and biology, as recognized to-day. The Orange Judd Hall of Natural Science was in process of erection in 1871, and was completed and dedicated in the summer of 1872. About the beginning of the year 1871, George Brown Goode, of the class of 1870, afterwards the famous Director of the National Museum in Washington, returned to Wesleyan as Assistant in the Museum. He entered upon the task of getting together the fragmentary material illustrative of geological and biological science, scattered in a number of different rooms, and organizing it into the beginning of a Museum to be placed in Judd Hall when that building was ready for its reception. Plans for a reformation of the curriculum and the extension of the work in natural science were under consideration in the faculty, resulting in the adoption of a new course of study in 1873, in which the elective system was largely introduced, and provision was made for numerous courses in scientific studies. It was in 1873 that Wilbur Olin Atwater came to the college as Instructor in Chemistry.

The prime mover in the organization of the Middletown Scientific Association was George Brown Goode; and, during the years in which he maintained his connection with the college, he was one of the most active workers in the Association. It included, of course, at the beginning, the few scientific men in the faculty, and a number of students in the upper classes who were interested in scientific study. It included also a number of members of the faculty in other departments, who had at least a sympathetic interest in the work of their

scientific colleagues. A number of physicians and other men in the town of greater or less scientific attainments also joined the Association at the beginning. Special mention should be made of one who was the first President of the Scientific Association, and who filled that position for more than ten years, Frederic Gardiner, Professor in Berkeley Divinity School. Dr. Gardiner's own studies were chiefly, as implied in the official position that he held, in Biblical lines; but in an amateur way he was greatly interested in scientific studies. His attractive character, his broad and genial sympathy with all wholesome and progressive intellectual activity, made him an ideal man for the first president of such an organization. The prosperity and usefulness of the Association in its early years were very largely due to the influence of Professor Gardiner.

In the course of the years, naturally the scientific professors and instructors in the college have furnished the majority of the papers which have been presented, though, especially in recent years, a good many scientific men of high reputation from abroad have been willing to give lectures before the association. At first the meetings of the association were private, with the exception of occasional public meetings to which a wider audience was invited. In recent years the public has been freely invited to all meetings; and the meetings of the Scientific Association have been an important part of the work which Wesleyan University has done in the education of the public, as well as in the education of those enrolled as students.

BIOGRAPHIES AND PUBLICATIONS

(ARRANGED ACCORDING TO RANK, IN THE ORDER OF APPOINTMENT)

Augustus William Smith, LL. D. Born in Newport, Herkimer Co., N. Y., May 12, 1802. A. B., Hamilton, 1825; LL. D., Centenary College, 1847, Hamilton, 1850. Teacher in Oneida (now Central New York) Conference Seminary, Cazenovia, N. Y., 1825-7, Principal, 1827-31; Professor of Mathematics and Astronomy, Wesleyan, 1831-57, President, 1852-7; Professor of Natural Philosophy, U. S. Naval Academy, 1859-60; one of corps of astronomers sent to Labrador by U. S. Government to observe solar eclipse, 1860. Died in Annapolis, Md., March 22, 1866.

An Elementary Treatise on Mechanics, embracing the Theory of Statics and Dynamics, and its application to Solids and Fluids. Harper and Bros., 1849, 2d edition in 1858.

John Johnston, LL. D. Born in Bristol, Lincoln Co., Me., Aug. 23, 1806. A. B., Bowdoin, 1832, A. M., 1835; LL. D., McKendree, 1850. Teacher in Oneida (now Central New York) Conference Seminary, Cazenovia, N. Y., 1832-5, Principal, 1835; Assistant Professor of Mathematics, and Lecturer in Natural Science, Wesleyan, 1835-7, Professor of Natural Science, 1837-73, Professor Emeritus, 1873-9. Member of Philadelphia Academy of Natural Sciences, and of American Association for the Advancement of Science. Died in Clifton, N. Y., Dec. 2, 1879.

Notice of a Large Crystal of Columbite. *Amer. Jour. Science and Arts*, 1st ser., 30 (1836), 387-388, with cut.

Sketch of the Early History of Count Rumford. *Amer. Jour. Science and Arts*, 1st ser., 33 (1838), 21-30.

Description of an Air Pump of a very Simple Construction, which acts both as an exhauster and condenser. *Amer. Jour. Science and Arts*, 1st ser., 34 (1838), 86-88, with cut.

Description of an Economical Apparatus for Solidifying Carbonic Acid, recently constructed at the Wesleyan University, Middletown, Conn. *Amer. Jour. Science and Arts*, 1st ser., 38 (1840), 297-301.

The Construction of the Atmosphere. *Meth. Quart. Review*, 22 (1840), 110-120.

A Manual of Chemistry on the basis of Dr. Turner's Elements of Chemistry. Barnes & Saxe, Middletown, 1840, 12°, pp. 453. (Revised the 5th time in 1854, and the 6th time in 1856, pp. xii, 1-528.)

Notice of a New Variety of Beryl, recently discovered at Haddam, Conn. *Amer. Jour. Science and Arts*, 1st ser., 40 (1841), 401-402, with cut.

Remarks and Suggestions with regard to the Proper Construction and Use of Apparatus for Solidifying Carbonic Acid. *Amer. Jour. Science and Arts*, 1st ser., 42 (1842), 203-206.

The Electrotpe. *The Classic*, Middletown, Conn., (1842), 393-8.

A Manual of Natural Philosophy. Philadelphia: Thomas Cowperthwait & Co., 1846, 12°, pp. x, 11-302, illustrated. New and revised edition in 1851, 12°, pp. x, 11-570.

Freestone Quarries, Portland, Conn. *National Magazine*, (1853), 256-361.

Aluminum, the New Metal. *National Magazine*, (1853), 256-361.

Primary Natural Philosophy. Philadelphia: Charles Desilver, 1858, 16°, pp. viii, 9-184.

Electrical properties of Pyroxiline Paper and Gun-Cotton. *Amer. Jour. Science and Arts*, 37 (1864), 115; 39 (1865), 348-349.

John Monroe Van Vleck, LL.D., Fisk Professor of Mathematics and Astronomy, *Emeritus*. Born in Stone Ridge, N. Y., March 4, 1833. A. B., Wesleyan, 1850, A. M., 1853, LL. D., 1900; Northwestern, 1876. Teacher, East Greenwich Academy, R. I., 1850; Assistant, office of *Nautical Almanac*, 1850-3; Adjunct Professor of Mathematics, Wesleyan, 1853-7, Professor of Mathematics and Astronomy, 1858-1904, Professor Emeritus, 1904-; Acting President, Wesleyan, 1872-3, 1887-9, 1896-7, Vice-President, 1890-1903; member of U. S. Solar Eclipse Expedition, Mt. Pleasant, Ia., 1869. Fellow of American Association for the Advancement of Science; member of American Mathematical Society, of Astronomical and Astrophysical Society of America, of National Geographic Society, of Conn. Academy of Arts and Sciences, and of Astronomische Gesellschaft.

Prepared astronomical tables published in *The American Ephemeris and Nautical Almanac* for the years 1855-96.

William North Rice, Ph.D., LL.D., G. I. Seney Professor of Geology. Born in Marblehead, Mass., Nov. 21, 1845. A. B., Wesleyan, 1865; Ph. D., Yale, 1867; Studied at Berlin, 1867-8; LL. D., Syracuse, 1886. Professor of Geology and Natural History, Wesleyan, 1867-84, Professor of Geology, 1884-, Acting President, 1907-9; Assistant Geologist, U. S. Geological Survey, 1891-2; Lecturer on Science and Religion, Colgate, 1897-1900; Superintendent of Conn. Geological and Natural History Survey, 1903-. Fellow of American Association for the Advancement of Science (Vice-President, 1905); member of American Society of Naturalists (President, 1891), fellow of Geological Society of America (Vice-President, 1911); member of National Geographic Society, and of Conn. Academy of Arts and Sciences.

On the Effects of Certain Poisons on Mollusks. *Proceedings of the American Association for the Advancement of Science*, 1873.
Reprinted (in part) in *Amer. Jour. Science*, February, 1875.

On the Animal of *Millepora alcornis*. *Amer. Jour. Science*, Sept., 1878.

Connecticut Minerals. *Science*, June 29, 1883.

Geology of Bermuda. *Bulletin of National Museum*, No. 25.

Geology of Middlesex County. *History of Middlesex County*.

J. B. Beers & Co., New York, 1885.

- Minerals from Middletown, Conn. *Amer. Jour. Science*, March, 1885.
- Eccentricity Theory of the Glacial Period. *Science*, August 27, October 15, 1886.
- On the Trap and Sandstone in the Gorge of the Farmington River at Tariffville, Conn. *Amer. Jour. Science*, December, 1886.
- Occurrence of *Stizostedium Vitreum* in the Basin of the Connecticut. *American Naturalist*, October, 1887, October, 1888.
- Science Teaching in the Schools. *American Naturalist*, September, October, 1888. Published (with appendices) in D. C. Heath & Co.'s series of Educational Monographs, 1889. Second edition of same, 1894.
- Natural Science in Schools. *Methodist Review*, July, 1889.
- Discovery of Rutile in Guilford, Conn. *The Observer*, Portland, Conn., June, 1890.
- Place of Natural Science in Educational Courses. Sixty-first Annual Meeting of the American Institute of Education. *Proceedings and Addresses*, 1890.
- Evolution. Sanford's *Concise Encyclopedia of Religious Knowledge*. New York, 1890.
- The Degree of Probability of Scientific Beliefs. *New Englander and Yale Review*, January, 1891.
- Twenty-five Years of Scientific Progress. Presidential Address, American Society of Naturalists. *Bibliotheca Sacra*, June, 1893.
- Twenty-five Years of Scientific Progress, and Other Essays. Thos. Y. Crowell & Co., New York and Boston, 1894.
- A Case of Mimicry in Habit. *The Observer*, Portland, Conn., August, 1895.
- Anticlinorium and Synclinorium. *Amer. Jour. Science*, August, 1896.
- Appreciations of the Work of the Smithsonian Institution. V. Geology and Mineralogy. *The Smithsonian Institution. The History of its First Half-Century*. Edited by George Brown Goode. Washington, 1897.
- (Editor.) Revised Text-Book of Geology, by James Dwight Dana. Fifth Edition, Revised. American Book Co., New York, Cincinnati, and Chicago, 1897.
- A Suggestion in regard to the Theory of Volcanoes. *Proceedings of American Association for the Advancement of Science*, 1897.

- Recent Phases of Thought in Apologetics. *Methodist Review*, January, February, 1899.
- Scientific Thought in the 19th Century. Address at the Centennial Celebration of the Connecticut Academy of Arts and Sciences. *Transactions of Connecticut Academy*, Volume 11. Published also in *Science*, Dec. 29, 1899; in *Report of the Regents of the Smithsonian Institution*, 1899; and in Reed's *Modern Eloquence*.
- Alcohol in the Light of Recent Research. *Federation*, March, 1903.
- The Proper Scope of Geological Teaching in the High School and Academy. *Proceedings of National Education Association*, 1903.
- Christian Faith in an Age of Science. A. C. Armstrong & Son, New York, 1903.
- Physical Geography and Geology of Connecticut. *Report of Conn. Board of Agr.*, 1903.
- The Classification of Mountains. *Report of Eighth International Geographic Congress*, 1905.
- On the Use of the Words, Synclinorium and Anticlinorium. *Science*, February 23, 1896. *Proceedings of American Association for the Advancement of Science*, 1905-6.
- Manual of the Geology of Connecticut (with H. E. Gregory). *State Geological and Natural History Survey, Bulletin No. 6*.
- Contributions of America to Geology. Address of the Vice-President and Chairman of Section E, American Association for the Advancement of Science. *Proceedings of American Association*, 1907. Published also in *Science*, February, 1907.
- A Danger Arising from the Popularization of the College. *Science*, March 5, 1909.
- James Dwight Dana. *Leading American Men of Science*. Edited by D. S. Jordan. Henry Holt & Co., New York, 1910.
- Geology of Tripyramid Mountain (with L. V. Pirsson). *Amer. Jour. of Science*, April, 1911.
- Biennial Reports of the State Geological and Natural History Survey of the State of Connecticut, 1904-1910.

Wilbur Olin Atwater, Ph.D., LL.D. Born in Johnsburg, N. Y., May 3, 1844. A. B., Wesleyan, 1865, A. M., 1868; Ph. D., Yale, 1869; student at Leipzig and at Berlin, 1869-71. Principal of Colchester Academy, Vt., 1865-6, of High School, Spencer, Mass., 1866-7, of High School, Westport, N. Y., 1867-8; Professor of General and Agricultural Chemistry, East Tenn. University, 1871-3, of Chemistry, Maine State,

1873; Instructor in Chemistry, Wesleyan, 1873-4, Professor, 1874-1907. Director of Conn. Agricultural Experiment Station, 1875-7; appointed state chemist of Conn., 1882; Director of Storrs (Conn.) Agricultural Experiment Station, 1888-1902; in 1888 founded, and until 1891 Director of, Office of Experiment Stations, U. S. Department of Agriculture; special agent in charge of nutrition investigations, U. S. Department of Agriculture, 1894-1903, chief of same, 1903-5. Fellow of American Association for the Advancement of Science; member of American Chemical Society, of American Physiological Society, of Washington Academy of Science, of Société Chimique de Paris, and of German Chemical Society; associate member of Société d'Hygiène Alimentaire et de l'Alimentation Rationnelle de l'Homme; corresponding member of Société Royale des Sciences Médicales et Naturelles de Bruxelles, and of Russian Imperial Military Academy of Medicine; foreign member of Swedish Academy of Agriculture. Died in Middletown, Conn., Sept. 22, 1907.

ANALYTICAL CHEMISTRY

- Determination of Chlorine in Organic Compounds. *Amer. Chem. Jour.*, 3 (1881), 295-6.
- Notes on Burettes and Pipettes (with C. D. Woods). *Jour. Anat. Chem.*, 1 (1887), 373-380.
- Notes on the Soda-Lime Method for determining Nitrogen (with C. D. Woods). *Amer. Chem. Jour.*, 9 (1887), 311-324.
- Sources of Error in Nitrogen determinations by Soda-Lime Method. *Amer. Chem. Jour.*, 10 (1888), 197-209, 262-282.
- Sources of Loss in the determination of Nitrogen by Soda-Lime (with E. M. Ball). *Amer. Chem. Jour.*, 10 (1888), 113-119.
- A New Form of Bomb Calorimeter and determination of Heats of Combustion (with C. D. Woods). *Annual Report, Storrs Agr. Exp. Sta.*, 1894, 135-157.
- Improved Forms of Bomb Calorimeter and Accessory Apparatus (with O. S. Blakeslee). *Annual Report, Storrs Agr. Exp. Sta.*, 1897, 199-211.
- Description of a Bomb Calorimeter and Method of its Use (with J. F. Snell). *Jour. Amer. Chem. Soc.*, Vol. 25, No. 7, June, 1903.

AGRICULTURAL CHEMISTRY

- First Annual Report, including: Analyses of Commercial Fertilizers; Farm Experiments with Fertilizers. *Conn. Agr. Exp. Sta.*, 1876, 108 pp.

- Report of work, including Analyses of Commercial Fertilizers; Analyses of Foods and Feeding Stuffs; Observations upon the Quantity and Composition of the Roots of Plants; Reports of Farm Experiments with Fertilizers; Fodder Materials and the Feeding of Stock. *Conn. Agr. Exp. Sta.*, 1877-8, 174 pp.
- Coöperative Experimenting as a Means of Studying the Effects of Fertilizers and the Feeding Capacity of Plants. *Brochure, U. S. Dept. of Agr.*, 1882, 33 pp.
- Results of Field Experiments with various Fertilizers. *Brochure, U. S. Dept. of Agr.*, 1883, 183 pp.
- Coöperative Field Experiments with Fertilizers. *Cir. No. 7, Office of Exp. Sta., U. S. Dept. of Agr.*, 1889, 39 pp.
- Nitrogenous Feeding Stuffs and Formulas for Feeding (with C. S. Phelps). *Annual Report, Storrs Agr. Exp. Sta.*, 1897, 67-129.
- Effects of Nitrogenous Fertilizers upon the Yields and Composition of certain Grasses, Grains and Legumes (with C. S. Phelps). *Annual Report, Storrs Agr. Exp. Sta.*, 1898, 113-203.
- Field Experiments with Fertilizers (with C. S. Phelps). *Annual Report, Storrs Agr. Exp. Sta.*, 1899, 168-204.

PHYSIOLOGICAL CHEMISTRY (VEGETABLE)

- Les Relations entre les Plantes et l'Azote de leur Nourriture. *Compt. Rend.*, 98 (1884), 689. Also in *Ann. Chim. Phys.*, 6th ser., 2 (1884), 322-331.
- On the Acquisition of Atmospheric Nitrogen by Plants. *Am. Chem. Jour.*, 6 (1885), 365-388.
- Loss of Nitrogen by Plants during Germination and Growth (with E. W. Rockwood). *Amer. Chem. Jour.*, 8 (1886), 327-343.
- Liberation of Nitrogen from its Compounds, and the Acquisition of Atmospheric Nitrogen by Plants. *Amer. Chem. Jour.*, 8 (1886), 398-420.
- The Acquisition of Atmospheric Nitrogen by Plants (with C. D. Woods). *Annual Report, Storrs Agr. Exp. Sta.*, 1889, 11-51, also in *Annual Report, Storrs Agr. Exp. Sta.*, 1890, 12-25, and in *Amer. Chem. Jour.*, 12 (1890), 526-547, and 13 (1891), 42-63.
- The Fixation of Free Nitrogen by Plants (with C. D. Woods). *Annual Report, Storrs Agr. Exp. Sta.*, 1892, 17-22.

PHYSIOLOGICAL CHEMISTRY (ANIMAL)

- Zur Chemie der Fische. *Ber. d. Deutsch. Chem. Gesellsch.*, 16 (1883), 1839-1846.
- Contributions to the Knowledge of the Chemical Composition and Nutritive Values of American Food Fishes and Invertebrates. *Annual Report, U. S. Commissioner of Fish and Fisheries for 1883*, 433-494.
- Food Consumption. Diets of Families and Boarding Houses in Massachusetts and in Canada (with Carroll D. Wright). *17th Annual Report, Mass. Bureau of Statistics of Labor*, 1886, 239-328.
- On the Chemistry of Fish. *Amer. Chem. Jour.*, 9 (1887), 421-452; and 10 (1888), 1-20.
- Ueber die Ausnutzung des Fischfleisches im Darmkanale Vergleich mit der des Rindfleisches. *Zeit. f. Biol.*, 24 (1888), 16-28.
- The Chemical Composition of Food Fishes and Aquatic Invertebrates. *Annual Report, U. S. Com. Fish and Fisheries for 1888*, 679-868.
- Food Investigations, including: The Composition of Food Materials (with C. D. Woods); American and European Diets and Dietary Standards; Methods of Food Investigation; Economic Application of Results of Studies of Food and Diets, *4th Annual Report, Storrs Agr. Exp. Sta.*, 1891, 41-171.
- Studies of Diets. Standards for Diets and Rations (with C. D. Woods and H. B. Gibson). *6th Annual Report, Storrs Agr. Exp. Sta.*, 1893, 174-197.
- Studies of Diets (with C. D. Woods). *7th Annual Report, Storrs Agr. Exp. Sta.*, 1894, 174-204.
- Standards for Rations and Diets. *7th Annual Report, Storrs Agr. Exp. Sta.*, 1894, 205-221.
- Studies of Diets (with C. D. Woods). *8th Annual Report, Storrs Agr. Exp. Sta.*, 1895, 129-174.
- Methods of Results of Investigations on the Chemistry and Economy of Food. *Bul. 21, Office of Exp. Sta., U. S. Dept. of Agr.*, 1895, 222 pp.
- The Chemical Composition of American Food Materials (with C. D. Woods). *Bul. 28, Office of Exp. Sta., U. S. Dept. of Agr.*, 1896, 87 pp. Revised in 1899.
- Average Composition of American Food Materials. *9th Annual Report, Storrs Agr. Exp. Sta.*, 1896, 190-198.

- Analyses of Fodders and Feeding Stuff's (with F. G. Benedict), *9th Annual Report, Storrs Agr. Exp. Sta.*, 1896, 273-290.
- Investigations on Metabolism in the Human Organism. Experiments on the Income and Outgo of the Body with Different Food Materials (with C. D. Woods and F. G. Benedict). *9th Annual Report, Storrs Agr. Exp. Sta.*, 1896, 85-116.
- Studies of Dietaries (with A. P. Bryant). *9th Annual Report, Storrs Agr. Exp. Sta.*, 1896, 117-162.
- Experiments on the Digestion of Food by Man, *9th Annual Report, Storrs Agr. Exp. Sta.*, 1896, 163-180.
- The Digestibility of Different Classes of Food Materials. *9th Annual Report, Storrs Agr. Exp. Sta.*, 1896, 186-189.
- Proportions of Digestible Nutrients in Food Materials. *9th Annual Report, Storrs Agr. Exp. Sta.*, 1896, 199-204.
- A Study of Rations fed to Milch Cows in Connecticut (with C. S. Phelps). *Annual Report, Storrs Agr. Exp. Sta.*, 1896, 53-84.
- A Study of Rations fed to Milch Cows in Connecticut (with C. S. Phelps). *Annual Report, Storrs Agr. Exp. Sta.*, 1897, 17-66.
- Studies of Dietaries (with A. P. Bryant). *Annual Report, Storrs Agr. Exp. Sta.*, 1897, 130-153.
- Experiments on the Digestion of Food by Man (with F. G. Benedict). *Annual Report, Storrs Agr. Exp. Sta.*, 1897, 154-167.
- A Respiration Calorimeter and Experiments on the Conservation of Energy in the Human Body (with E. B. Rosa). *Annual Report, Storrs Agr. Exp. Sta.*, 1897, 212-242.
- Analyses of Foods, Feeding Stuff's, and other Products (with F. G. Benedict). *Annual Report, Storrs Agr. Exp. Sta.*, 1897, 189-198.
- Dietary Studies with Reference to the Food of the Negro in Alabama in 1895 and 1896 (with C. D. Woods). *Bul. 38, Office of Exp. Sta., U. S. Dept. of Agr.*, 1897, 69 pp.
- Report of preliminary Investigations on the Metabolism of Nitrogen and Carbon in the Human Organism with a Respiration Calorimeter of Special Construction (with C. D. Woods and F. G. Benedict). *Bul. 44, Office of Exp. Sta., U. S. Dept. of Agr.*, 1897, 64 pp.
- A Digest of Metabolism Experiment in which the Balance of Income and Outgo was Determined (with G. F. Langworthy). *Bul. 45, Office of Exp. Sta., U. S. Dept. of Agr.*, 1898, 434 pp.

- Dietary Studies in New York City in 1895 and 1896 (with C. D. Woods). *Bul. 46, Office of Exp. Sta., U. S. Dept. of Agr.*, 1898, 117 pp.
- Dietary Studies in Chicago in 1895 and 1896 (with A. P. Bryant). *Bul. 55, Office of Exp. Sta., U. S. Dept. of Agr.*, 1898, 76 pp.
- Composition of Common Food Materials, Available Nutrients, and Fuel Values (with A. P. Bryant). *Annual Report, Storrs Agr. Exp. Sta.*, 1899, 111-123.
- Discussion of terms Digestibility, Availability, and Fuel Values. *Annual Report, Storrs Agr. Exp. Sta.*, 1899, 69-72.
- Availability and Fuel Value of Food Materials (with A. P. Bryant). *Annual Report, Storrs Agr. Exp. Sta.*, 1899, 73-110.
- Studies of Dieters of College Students and Members of Professional Men's Families (with R. D. Milner). *Annual Report, Storrs Agr. Exp. Sta.*, 1899, 124-141.
- Studies of Dieters in Connecticut Hospital for the Insane. *Annual Report, Storrs Agr. Exp. Sta.*, 1899, 142-149.
- Description of a New Respiration Calorimeter and Experiments on the Conservation of Energy in the Human Body (with E. B. Rosa). *Bul. 63, Office of Exp. Sta., U. S. Dept. of Agr.*, 1899, 94 pp.
- Experiments on the Metabolism of Matter and Energy in the Human Body (with F. G. Benedict and others). *Bul. 69, Office of Exp. Sta., U. S. Dept. of Agr.*, 1899, 112 pp.
- A New Respiration Calorimeter and Experiments on the Conservation of Energy in the Human Body (with E. B. Rosa). *Phys. Review*, 9 (1899), 130-163, 214-251.
- First Report (preliminary) on Dieters for Hospitals for the Insane. *10th Annual Report, N. Y. State Com. in Lunacy*, 1898, 31-200.
- Second Report on Dieters for Hospitals for the Insane. *11th Annual Report, N. Y. State Com. in Lunacy*, 1899, 100-566.
- Third Report (preliminary) on Dieters for Hospitals for the Insane. *12th Annual Report, N. Y. State Com. in Lunacy*, 1900, 58-73.
- Third Report (final) on Dieters for Hospitals for the Insane. *13th Annual Report, N. Y. State Com. in Lunacy*, 1901, 38-322.
- Dietary Studies of University Boat Crews (with A. P. Bryant). *Bul. 75, Office of Exp. Sta., U. S. Dept. of Agr.*, 1900, 72 pp.
- Results of Experiments on the Metabolism of Matter and Energy in the Human Body (with F. G. Benedict and others). *Annual Report, Storrs Agr. Exp. Sta.*, 96-129, 1900.

- On the Digestibility and Availability of Food Materials. *Annual Report, Storrs Agr. Exp. Sta.*, 1901, 179-245.
- The Effect of Severe and Prolonged Muscular Work on Food Consumption, Digestion, and Metabolism (with H. C. Sherman). *Bul. 98, Office of Exp. Sta., U. S. Dept. of Agr.*, 1901, 67 pp.
- Available Energy of Food and Body Material. From *Bul. 99, Office of Exp. Sta. (Proceedings of the 14th Annual Convention of the Association of American Agricultural Colleges and Experiment Stations, 1900)*, U. S. Dept. of Agr., 1901, 112-114.
- A Study of the Food Consumed and Digested by Four Members of the Harvard University Boat Crew in June, 1900 (with F. G. Benedict). *Boston Med. and Surg. Jour.*, 144 (1901), 601-605 929-635.
- Experiments on the Metabolism of Matter and Energy in the Human Body, 1898-1900 (with F. G. Benedict and others). *Bul. 109, Office of Exp. Sta., U. S. Dept. of Agr.*, 1902, 147 pp.
- Dietary Studies in New York City in 1896 and 1897. *Bul. 116, Office of Exp. Sta., U. S. Dept. of Agr.*, 1902, 83 pp.
- An Experimental Inquiry regarding the Nutritive Value of Alcohol (with F. G. Benedict). *Sixth Memoir, Vol. 8* (1902), *Nat. Acad. of Sci.*, 235-397.
- Experiments on Metabolism of Matter and Energy in the Human Body, 1900-1902 (with F. G. Benedict and others). *Bul. 136, Office of Exp. Sta., U. S. Dept. of Agr.*, 1903, 357 pp.
- The Conservation of Energy in the Living Organism. *Annual Report, Storrs Agr. Exp. Sta.*, 1903.
- Demands of the Body for Nourishment and Dietary Standards. *Annual Report, Storrs Agr. Exp. Sta.*, 1903.
- The Composition of Poultry. *Annual Report, Storrs Agr. Exp. Sta.*, 1903.
- The Nutritive Value of Alcohol. *Report of Physiological Subcommittee, Committee of Fifty for the Study of different Aspects of the Liquor Problem*, vol. 2, Boston, 1903.
- Experiments on the Digestibility of Cereal Breakfast Foods. *Annual Report, Storrs Agr. Exp. Sta.*, 1904.
- A Respiration Calorimeter with Appliances for the Direct Determination of Oxygen (with F. G. Benedict). *Carnegie Institution of Washington*, 1905.

SEMI-POPULAR (AGRICULTURAL CHEMISTRY AND AGRICULTURE)

- Resumés of Progress in Agricultural Science, 1874-1878. *Annual Record of Sci. and Ind.*
- Science Applied to Farming. A series of about seventy articles in *American Agriculturist* from 1875-1881.
- Potash in Agriculture. *Annual Report, Conn. State Board of Agr.*, 1876, 205-235.
- The Experiment Station and its Work. *Annual Report, Conn. State Board of Agr.*, 1876, 79-101.
- Farm Experiments with Fertilizers. *Annual Report, Conn. State Board of Agr.*, 1877, 345-366.
- Farm Experiments with Fertilizers. *Annual Report, Conn. State Board of Agr.*, 1878, 303-406.
- Farm Experiments with Fertilizers. *Annual Report, Conn. State Board of Agr.*, 1879, 344-402.
- Report of Field Experiments with Fertilizers, 1880. *Annual Report, Conn. State Board of Agr.*, 1880, 335-388.
- Account of Field Experiments with Fertilizers, 1881. *Annual Report, Conn. State Board of Agr.*, 1881, 343-367.
- Twelve Years of Experiment Stations in the United States. *Annual Report, Conn. State Board of Agr.*, 1887, 99-120.
- Agricultural Experiment Stations. *Annual Report, Conn. State Board of Agr.*, 1888, 174-184.
- The Storrs Experiment Station. *Annual Report, Conn. State Board of Agr.* 1888, 135-142.
- Organization of the Storrs School Agricultural Experiment Station and Character of the Work Done. *Bul. 1, Storrs Agr. Exp. Sta.*, 1888, 16 pp.
- Experiments on the Effect of Tillage on Soil Moisture. *Bul. 2, Storrs Agr. Exp. Sta.*, 1888, 11 pp.
- Atmospheric Nitrogen as Plant Food. *Bul. 5, Storrs Agr. Exp. Sta.*, 1889, 19 pp.
- Work of the Storrs Experiment Station for 1889. *Annual Report, Conn. State Board of Agr.*, 1889, 331-334.
- Work of the Storrs Experiment Station for 1890. *Annual Report, Storrs Agr. Exp. Sta.*, 1890, 110-115.
- Summary of Annual Report, 1891. Food Investigations. Nitrogen and the Farmer. Forage Crops. Nitrogen of the Air as Plant Food. Fertilizer Experiments on Grass. Field Experiments with Fertilizers by Farmers. *Bul. 8, Storrs Agr. Exp. Sta.*, 1892, 16 pp.

- Editorial Notes and Abstracts of Foreign Investigations. *Exp. Sta. Record, Office of Exp. Sta., U. S. Dept. of Agr.*, 3 (1891-2).
- An Error in our Agricultural Production and its Remedy. *Exp. Sta. Record, Office of Exp. Sta., U. S. Dept. of Agr.*, 3 (1892), 672-683.
- Summary of Annual Report for 1892. Assimilation of Free Nitrogen of the Air by Plants. Effects of different Fertilizers upon the Composition and Feeding Values of Crops. Effect of different Fertilizers on different Classes of Soils. Studies of Dietaries, etc. *Bul. 11, Storrs Agr. Exp. Sta.*, 1893, 10 pp.
- Experiment Stations in Holland. *Experiment Station Record, Office of Exp. Sta., U. S. Dept. of Agr.*, 5 (1894), 669-675.
- Food Investigations and Publications. *Bul. 15, Storrs Agr. Exp. Sta.*, 1895, 16 pp.
- The Storrs Experiment Station. *Annual Report, Conn. State Board of Agr.*, 1900, 154-163.
- Connecticut Experiment Station. *Bul. 99 (Proceedings of the 14th Annual Convention of the Asso. of American Agricultural Colleges and Exp. Sta., 1900), Office of Exp. Sta., U. S. Dept. of Agr.*, 1901, 51-54.

SEMI-POPULAR (PHYSIOLOGICAL CHEMISTRY)

- European Experiments on Feeding Cattle. *19th Annual Report, Maine State Board of Agr.*, 1874, 44-70.
- European Experiments on Feeding Cattle. *8th Annual Report, Conn. State Board of Agr.*, 1874, 131-180.
- Commercial Fertilizers. *Cir. 4, Conn. Agr. Exp. Sta.*, 1876.
- The Chemistry of the Feeding of Plants. *11th Annual Report, N. J. Board of Agr.*, 1884, 57-105.
- Chemistry of Foods. *18th Annual Report, Conn. State Board of Agr.*, 1884, 83-115.
- Oysters as Food and Fattening of Oysters. *Report, N. Y. Oyster Inv. and Shell-fish Com.*, 1887, 53-92.
- The Chemistry of Foods and Nutrition. A series of articles in *The Century Magazine*, including:
- The Composition of our Bodies and our Food. 34 (1887), 59-74.
 - How Food Nourishes the Body. 34 (1887), 237-251.
 - The Potential Energy of Food. 34 (1887), 397-405.
 - The Digestibility of Food. 34 (1887), 733-740.

- Pecuniary Economy of Food. 35 (1888), 437-446.
 Foods and Beverages. 36 (1888), 135-140.
 What We Should Eat. 36 (1888), 257-264.
 Food Supply of the Future. 43 (1891), 101-112.
 Chemistry and Economy of Food. *Bul.* 7, *Storrs Agr. Exp. Sta.*, 1891, 15 pp.
 Economy of Food. *5th Annual Report, Storrs Agr. Exp. Sta.*, 1892, 163-190.
 The Food of the Coming Man. *The Forum*, 13 (1892), 488-499.
 Food Wastes in American Households. *The Forum*, 16 (1893), 110-121.
 Calorimeter Respiration Experiments. *27th Annual Report, Conn. Agr. Exp. Sta.*, 1893, 157-168.
 Food as Related to Life and Survival. *New Occasions*, 2 (1894), 227-268.
 Foods: Nutritive Value and Cost. *Farmers' Bul.* 23, *Office of Exp. Sta., U. S. Dept. of Agr.*, 1894, 32 pp.
 Food and Diet. *Yearbook, U. S. Dept. of Agr.*, 1894, 357-388, 547-558.
 Food Investigations and Publications. *Bul.* 15, *Storrs Agr. Exp. Sta.*, 1895, 16 pp.
 How Food is Used in the Body. Experiments with Men in a Respiration Calorimeter. *The Century Magazine*, 54 (1897), 246-252.
 Some Practical Applications of Results of Food Investigations (with A. P. Bryant). *10th Annual Report, Storrs Agr. Exp. Sta.*, 168-188.
 What the Church can do toward Improving the Food and Condition of the Masses. *Christian City*, April and July, 1897.
 Nutritive Value of Alcohol. *Harper's Magazine*, 101 (1900), 634-675.
 Alcohol Physiology and Superintendence. *Educational Review*, 20 (1900), 1-29.
 Alcohol Physiology and Temperance Reform, *Harper's Magazine*, 101 (1900), 850-858.
 Dieteries in Public Institutions. *Yearbook, U. S. Dept. of Agr.*, 1901, 393-408.
 Principles of Nutrition and Nutritive Value of Foods. *Farmers' Bul.* 142, *Office of Exp. Sta., U. S. Dept. of Agr.*, 1902, 48 pp.
 Dietetics. *Encyclopaedia Britannica*, 1902.
 Rational Temperance Reform. *The Outlook*, 72 (1902), 678-683, 732-737.

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Some Suggestive Points of Modern Embryology. *Science*, 6 (1885), 481.

Limits of Organic Evolution. *American Naturalist*, 20 (1886), 413.

The Origin of Life. *New Princeton Review*, 2 (1886), 62 and 163.

Evolution of To-day, 342 pp., G. P. Putnam's Sons (1886).

Modern Biology as a Branch of Education. *Science*, 9 (1887), 168.

Original Research in the American College. *Science*, 10 (1887), 143.

Scientific Fact and Scientific Inference. *American Naturalist*, 21 (1887), 791.

Germ Diseases. *New Princeton Review*, (1888).

Cells and Protoplasm. *Microscopical Journal*, (1888), p. 147.

The Germ Theory as a Subject for Teaching. *Science*, 11 (1888), 5.

Bacteriology in our Medical Schools. *Science*, 11 (1888), 123 and 158.

Significance of "Variety and Species." *Science*, 11 (1888), 253.

Dynamical Biology. *New Princeton Review*, (1888).

- Report on the Cause of the Fishy Taste in Middletown Drinking Water (Uroglena). *Special Report* printed by the *Water Commissioners*, 1888.
- Bacteria in Milk and its Products. *Bul. Storrs Exp. Sta.*, 4 (1889).
- Bacteria in Milk, Cream, and Butter. *Annual Report, Storrs Exp. Sta.*, (1889), p. 52.
- Bacteria in Milk. *Annual Report, Conn. Board of Agr.*, (1889), p. 180.
- Bacteria in Milk. *Annual Report, Storrs Exp. Sta.*, (1890), p. 136.
- The Study of Science and the Christian Faith. *Methodist Review*, 6 (1890), 79.
- Fermentations of Milk. *Annual Report, Conn. Board of Agr.*, (1890), p. 228.
- The Ripening of Cream. *Annual Report, Storrs Exp. Sta.*, (1890), p. 136.
- A Micrococcus of Bitter Milk. *Annual Report, Storrs Exp. Sta.*, (1890), p. 158.
- The Nature of Root Tubercles of Leguminous Plants. *Exp. Sta. Record*, (1891).
- The Function of Root Tubercles. *Exp. Sta. Record*, (1891).
- Ueber einen bittere Milch erzeugenden Micrococcus. *Cent. f. Bact. u. Parasitenkunde*, 9 (1891), 653.
- Natural Selection and Christianity. *Methodist Review*, 7 (1891), 552.
- The Living World, 191 pp., G. P. Putnam's Sons, 1891.
- Improved Machine for Pasteurizing Milk. *American Agriculturist*, (1892).
- The Fermentations of Milk. *Exp. Sta. Bul., Dept. of Agr.*, 9 (1892).
- Isolirung eines "Lab" fermentes aus Bakterienkulturen. *Cent. f. Bact. u. Par.*, 12 (1892), 223.
- Bacteria in Dairy Products. *Popular Scientific Monthly*, 40 (1892), 763.
- Isolation of Rennet from Bacteria Cultures. *Science*, 20 (1892), 157.
- Some Uses of Bacteria. *American Naturalist*, 26 (1892), 987.
- What is Churning? *Annual Report, Conn. State Board of Agr.*, (1892), p. 110.
- Free Nitrogen Assimilation by Plants. *Terrey Botanical Club Bulletin*, 20 (1893), 198.
- Churns. *Annual Report, Conn. State Board of Agr.* (1893).
- The Ripening of Cream by Artificial Cultures of Bacteria. *Annual Report, Storrs Exp. Sta.*, (1893), p. 43.

- The Loss of an Old Friend (Protoplasm). *Methodist Review*, 26 (1894), 27.
- The Public Milk Supply. *The Century*, 48 (1894), 477.
- The Microscope in the Dairy. *The Microscope*, (1894).
- The Outbreak of Typhoid Fever at Wesleyan University. *Annual Report, Conn. State Board of Health*, (1894), p. 243.
- The Oyster Epidemic of Typhoid at Wesleyan. *New York Medical Record*, (1894).
- The Biological Laboratory of the Brooklyn Institute. *American University Magazine*, (1894).
- Cream Ripening with Pure Cultures of Bacteria. *Annual Report, Storrs Exp. Sta.*, (1894).
- Experiments in the Ripening of Cream with Bacillus No. 41. *Annual Report, Storrs Exp. Sta.*, (1895), p. 17.
- History of Bacillus No. 41. *Chicago Produce*, (1895).
- The Cold Spring Harbor Biological Laboratory. *The American Naturalist*, 29 (1895), 228.
- Bacillus No. 41. *Creamery Journal*, (1895).
- The Facts Concerning the Use of B. 41. *Elgin Dairy Report*, (1895).
- Bacteria as the Dairyman's Friends and Foes. *Annual Report of Pa. Board of Agr.*, (1895), p. 77.
- Louis Pasteur. Address, Middletown Scientific Association, Jan. 14, 1895, published in *Science*, (1895), p. 601.
- A Year's Experience with Bacillus No. 41 in General Dairying. *Annual Report, Storrs Exp. Sta.*, (1895), p. 17.
- What the Public has a Right to Demand of the Milk Producer. *Annual Report, Conn. State Board of Agr.*, (1895), p. 112.
- Recent Innovations in Cream Ripening. *Annual Report of State Board of Agr. of Maine*, (1895).
- Bacteria in the Dairy, Flavor, Acid, Aroma. *Bul. Storrs Exp. Sta.*, 16 (1896).
- Lessons in Elementary Practical Bacteriology. *The Observer*, 7 (1896), 227.
- Three Great Epochs of Evolution. *Methodist Review*, 78 (1896), 885.
- Butter Aroma. *Cent. f. Bact. u. Par.*, 3 (1896), 177.
- Relation of Pure Cultures to Flavor and Aroma of Butter. *Cent. f. Bact. u. Par.*, 2 (1896), 409.
- The Story of Germ Life, 200 pp. D. Appleton & Co., 1896.
- Is there a Solution of the Nitrogen Problem? *Annual Report of Pa. Board of Agr.*, (1898), p. 717.

- The Present Attitude of European Science Towards Tuberculosis in Cattle. *Annual Report, Storrs Exp. Sta.*, (1898), p. 11.
- Variability in the Power of Liquefying Gelatine Possessed by Milk Bacteria. *Cent. f. Bact. u. Par.*, 11., 5 (1899), 665.
- Protoplasm, Past and Present. *Popular Science*, (1899).
- The Present Condition of Bovine Tuberculosis in Europe. *Bul. Storrs Exp. Sta.*, 19 (1899).
- Some Practical Applications of Bacteriology in European Dairying. *Annual Report, Storrs Exp. Sta.*, (1899), p. 67.
- The Malarial Organism. *Popular Science*, (1899).
- Alcohol as a Food. *Christian Advocate*, (1899).
- The New Battle of the Pigmies and the Giant. *Methodist Review*, 81 (1899), 548.
- The Origin of the Eye, *Popular Science*, (1899).
- The Milk Supply of Cities. *Popular Science Monthly*, 55 (1899), 627.
- The Story of the Living Machine, 219 pp. D. Appleton & Co., 1899.
- Why are Vertebrates the Highest Animals? *Popular Science*, (1899).
- The Classification of Dairy Bacteria. *Annual Report, Storrs Exp. Sta.*, (1899), p. 13.
- How Backbones are built. *Popular Science*, (1900).
- How we got our Brains. *Popular Science*, (1900).
- The Ripening of Cream. *Bul., Storrs Exp. Sta.*, 21 (1900).
- Jelly Fishes. *Popular Science*, (1900).
- The Study of Science and the Christian Faith. *Methodist Review*, 72 (1900), 79.
- The Starfish and its Allies. *Popular Science*, (1900).
- Use of Bacteria in Food Products. *International Monthly*, 2 (1900), 279.
- Some Remarkable Metamorphoses. *Popular Science*, (1900).
- Microbes in Cheese Making. *Popular Science Monthly*, 58 (1900), 148.
- The Method of Evolution, 410 pp. G. P. Putnam's Sons, 1900.
- The Ripening of Cream (with W. M. Esten). *Annual Report, Storrs Exp. Sta.*, (1900), p. 13.
- Sea Worms. *Popular Science*, (1901).
- Agricultural Bacteriology, 412 pp. P. Blakiston's Son & Co., 1901.
A revised edition published in 1909.
- The Ripening of Cream (with W. M. Esten). *Cent. f. Bact. u. Par.*, 7 (1901), 743 and 769.

- Le Development comparatif des Differentes Especies Microbiennes dans le Lait (with W. M. Esten), *Rev. Gen. du Lait*, 1 (1901), 234.
- The Comparative Growth of Different Species of Bacteria in Normal Milk (with W. M. Esten). *Annual Report, Storrs Exp. Sta.*, (1901), p. 13.
- Variations, the Building Stones of Evolution. *The Independent*, 54 (1902), 683.
- Struggle for Existence among Bacteria. *The Independent*, 54 (1902), 2,887.
- The Causes of Variety among Animals and Plants. *The Independent*, 54 (1902), 740.
- Improved Method of Studying Milk Bacteria (with W. M. Esten). *Rev. Gen. du Lait*, 2 (1903), 193 and 224.
- Studies Concerning the so-called Germicidal Action of Milk (with W. A. Stocking). *Rev. Gen. du Lait*, 2 (1903), 265 and 298.
- Bacteria in Milk and its Products, 306 pp. P. Blakiston's Son & Co., 1903; revised edition, 1910.
- Elementary Physiology, 292 pp. Silver Burdett & Co., 1903.
- Qualitative Analysis of the Bacteria of Market Milk (with W. M. Esten). *Annual Report, Storrs Exp. Sta.*, (1903), p. 63.
- Comparison of Bacteria in Strained and Unstrained Milk (with W. A. Stocking). *Annual Report, Storrs Exp. Sta.*, (1903), p. 33.
- Relation of Temperature to the Keeping Property of Milk (with W. M. Esten). *Bul. Storrs Exp. Sta.*, 26 (1903).
- Bacteria Yeasts and Molds in the Home, 294 pp. Ginn & Co., 1903.
- The Chemistry of Life Processes. *The Independent*, 55 (1903), 258.
- Social Heredity. *The Independent*, 56 (1903), 143.
- Strained and Unstrained Milk Preserved at 70° and 50° (with W. A. Stocking). *Annual Report, Storrs Exp. Sta.*, (1903), p. 38.
- Aseptic Milk (with W. A. Stocking). *Annual Report, Storrs Exp. Sta.* (1903), p. 52.
- Bacteria in Freshly Drawn Milk. *Annual Report, Storrs Exp. Sta.*, (1903), p. 92.
- Introductory Physiology, 152 pp. Silver Burdett & Co., 1904.
- Contribution of Bacteriology to Social Welfare. *The Chautauquan*, Sept. and Oct., 1904.
- Effect of Different Temperatures in Determining the Species of Bacteria that Grow in Milk (with W. M. Esten). *Annual Report, Storrs Exp. Sta.* (1904), p. 27.

Preliminary Report on the Fresh Water Protozoa of Connecticut. *Bul. Conn. State Geological and Natural History Survey*, 2 (1905).

Camembert Type of Soft Cheese in the United States (with Charles Thom and others). *Annual Report, Storrs Exp. Sta.*, (1905), p. 42.

Classification of Dairy Bacteria (with W. M. Esten and W. A. Stocking). *Annual Report, Storrs Exp. Sta.*, (1906), p. 91.

Practical Dairy Bacteriology, 314 pp. Orange Judd Pub. Co., 1907.

The Bases of Bacteriology. *The Country Gentleman*, 72, Feb.-May, 1907.

A Preliminary Report on the Algæ of the Fresh Waters of Connecticut (with L. W. Washburn). *Bul. Conn. Geological and Natural History Survey*, 10 (1908).

Rabies. *Trans. of Conn. Homeopathic Medical Society*, (1909), p. 40.

Advanced Physiology (with R. A. Buddington), 419 pp. Silver Burdett & Co., 1910.

Courses in Bacteriology for Home Economics. *Journal Home Economics*, 2 (1910), 827.

Ozone as a Means of Purifying Drinking Water. *Report of Conn. State Board of Health*, 1909-1910.

An Investigation of the Connecticut Epidemics of Poliomyelitis. *Report of Conn. State Board of Health*, 1909-1910.

Edward Burr Van Vleck, Ph.D., LL.D. Born in Middletown, Conn., June 7, 1863. A. B., Wesleyan, 1884; Fellow at Johns Hopkins, 1886-7; Ph. D., Göttingen, 1893; LL. D., Clark, 1909. Tutor in Mathematics, Wesleyan, 1887-90; Instructor in Mathematics, Wisconsin, 1893-5; Assistant Professor, Wesleyan, 1895-8, Professor, 1898-1906; Wisconsin, 1906- ; Associate Editor of "Transactions of American Mathematical Society," 1902-5, Editor, 1906-10. Fellow of American Association for the Advancement of Science; member of American Mathematical Society (Vice-President, 1909), of Deutsche Mathematiker Vereinigung, of Société Mathématique de France, and of National Academy of Sciences.

On the Roots of Bessel and P-functions. *American Journal of Mathematics*, 19 (1897), 75-85.

On the Polynomials of Stieltjes. *Bulletin of American Mathematical Society*, 4 (1898), 426-438.

- On the Determination of a Series of Sturm's Functions by the Calculation of a Single Determinant. *Annals of Mathematics*, ser. 2, vol. 1 (1899), 1-13.
- On certain Differential Equations of the Second Order allied to Hermite's Equation. *American Journal of Mathematics*, 21 (1899), 126-167 and ten plates.
- On Linear Criteria for the Determination of the Radius of Convergence of a Power Series. *Transactions of American Mathematical Society*, 1 (1900), 293-309.
- On the Convergence of the Continued Fraction of Gauss and other Continued Fractions. *Annals of Mathematics*, ser. 2, vol. 3 (1901), 1-18.
- On the Convergence of Continued Fractions with Complex Elements. *Transactions of American Mathematical Society*, 2 (1901), 215-233.
- On the Convergence and Character of the Continued Fraction:

$$\frac{a_1 z}{1+} \quad \frac{a_2 z}{1+} \quad \frac{a_3 z}{1+} \quad - - -$$

Same, 2 (1901), 476-483.

- A Determination of the Number of Real and Imaginary Roots of the Hypergeometric Series. *Same*, 3 (1902), 110-131.
- On an Extension of the 1894 Memoir of Stieltjes. *Same*, 4 (1903), 297-332.
- A Sufficient Condition for the Maximum Number of Imaginary Roots of an Equation of the n th Degree. *Annals of Mathematics*, ser. 2, vol. 4 (1903), 191-192.
- On the Convergence of Algebraic Continued Fractions whose Coefficients have Limiting Values. *Transactions of American Mathematical Society*, 5 (1904), 253-262.
- Selected Topics in the Theory of Divergent Series and of Continued Fractions. Six lectures delivered at the Boston Colloquium of the American Mathematical Society, Sept. 3-5, 1903. Published for the Society by the Macmillan Company, 1905, 74-187.

Andrew Campbell Armstrong, Ph. D., William Griffin Professor of Philosophy. Born in New York, N. Y., August 22, 1860. A. B., Princeton, 1881, Fellow, 1881-2, A. M., 1884, student at theological seminary, 1882-5, honorary Ph. D., 1896; student at Berlin, 1885-6; A. M., Wesleyan, 1894. Associate Professor of Ecclesiastical History, Princeton Theological Seminary, 1886-7; Instructor in History, Princeton, 1887-8; Professor of Philosophy, Wesleyan, 1888- ; Associate Editor of "New

Princeton Review," 1887-8, Coöperating Editor of "Psychological Review," 1904-10; Chairman of Section of Metaphysics, St. Louis Exposition, 1904. Member of American Psychological Association, and of American Philosophical Association (one of founders, 1901, member of executive committee, 1901-3).

The New Psychology. *The Independent*, Nov. 20, 1890.

A German University Festival. *The Independent*, Sept. 28, 1893.

History of Modern Philosophy, translated with notes and additions, from the German of Richard Falckenberg, pp. xv, 655. New York, Henry Holt & Co., 1893.

Notes contributed to the German Issue of the same, editions 3-6. Leipzig, 1898-1908.

Die Philosophie in den Vereinigten Staaten (trans. by L. Busse). *Zeitschrift für Philosophie*, Bd. 105, 1894. (English Revision of the same, *Educational Review*, June, 1895.)

The Imagery of American Students (with C. H. Judd). *Psychological Review*, Sept. 1894.

Transitional Eras in Thought. *The New World*, Sept. 1895.

The Return to Faith. *Methodist Review*, Jan.-Feb., 1896.

Philosophy in American Colleges. *Educational Review*, Jan., 1897.

Theism and Contemporary Science. *The Independent*, Sept. 23, 1897.

Typical Eras of Scepticism. *Methodist Review*, Sept.-Oct., 1897.

Consciousness and the Unconscious. *Psychological Review*, Nov., 1898.

The Relations of Will to Belief. *American Psychological Association*, Dec. 28, 1898; abstract in *Psychological Review*, March, 1899.

The Constrnctive Value of History and Science. *Methodist Review*, May-June, 1899.

The Psychology of the Dreyfus Affaire. *Methodist Review*, Jan.-Feb., 1900.

Contributions to Baldwin's Dictionary of Philosophy and Psychology, vol. 1, 2, 1901-02, New York and London, The Macmillan Company.

Thought and Social Movements. *The Hartford Seminary Record*, May, 1902.

Transitional Eras in Thought, with Special Reference to the Present Age, pp. ix, 347. New York and London, The Macmillan Company, 1904.

- The Passing of a Generation. *Methodist Review*, May-June, 1904.
- Herder and Fiske on the Prolongation of Infancy. *Philosophical Review*, Jan., 1906.
- The Separation of Church and State in France. *Methodist Review*, May-June, 1906.
- Individual and Social Ethics. *Journal of Philosophy, Psychology and Scientific Methods*, Feb. 28, 1907.
- Impressions of French Culture. *Methodist Review*, Mar.-Apr., 1907.
- The Issues of Pragmatism. *Methodist Review*, Mar.-Apr., 1908.
- A Neglected Discipline. *Educational Review*, June, 1908.
- The Evolution of Pragmatism. *Bericht über d. III. Internat. Kongress für Philosophie*, 1909. (Also, *Journal of Philosophy, etc.*, Nov. 19, 1908).
- The Third International Congress of Philosophy. *Philosophical Review*, Jan., 1909.
- The Sixth International Congress of Psychology. *Philosophical Review*, Nov., 1909.
- Three Border Towns. *Methodist Review*. Nov.-Dec., 1910.
- Is Faith a Form of Feeling? *Harvard Theological Review*, Jan., 1911.
- The Idea of Feeling in Rousseau's Religious Philosophy. *Archiv für Geschichte der Philosophie*, Jan., 1911.

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- Action of Acetyl Chloride on Ortho-hydroxy-aldehydes (with F. B. Dains). *Amer. Chem. Jour.*, April, 1892.
- Paraisobutylphenoxycetic Acid (with F. Kniffen). *Amer. Chem. Jour.*, January, 1897.
- A Serviceable Generator for Hydrogen Sulphide. *Amer. Chem. Jour.*, April, 1899.
- Cold, in the Liquefaction of Air. *Pop. Sci.*, September, 1899.
- Liquefaction of Air,—Pressure. *Pop. Sci.*, October, 1899.
- Submarine Navigation. *Pop. Sci.*, December, 1900.

- A Thermostat Sensitive to a Thousandth of a Degree (with A. W. Browne). *Jour. Phys. Chem.*, February, 1902.
- Resistance of Glass Tubing to Bursting Pressure (with A. W. Browne). *Jour. Phys. Chem.*, January, 1904.
- Effect of Mechanical Vibration on Carbon Dioxide near the Critical Temperature (with A. W. Browne and C. F. Hale). *Physical Review*, October, 1904.
- Test of the Liquid Air Plant at Wesleyan University (with A. W. Rowe). *Physical Review*, November, 1904.
- Distribution of Temperature in an Air Liquefier of the Single Circuit Type (with C. F. Hale). *Physical Review*, December, 1904.
- Precooling, in the Liquefaction of Air (with G. P. O. Fenwick). *Jour. Phys. Chem.*, April, 1906.
- Danger from Kerosene. *Good Housekeeping*, April, 1906.
- Effect of Mechanical Vibration upon Carbon Dioxide near the Critical Temperature (with A. W. Browne and C. F. Hale). *Physical Review*, June, 1908.
- Liquid above the Critical Temperature (with A. W. Browne and C. F. Hale). *Physical Review*, August, 1908.
- Pure Carbon Dioxide (with C. F. Hale). *Jour. Amer. Chem. Soc.*, 30 (1908), 1090.
- The Nozzle Expansion of Air at High Pressure (with C. F. Hale). *Physical Review*, 29 (1909), 258-292.

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- The Evolution of an Electric Motor. *The Chautauquan*, January, 1896.
- An Electric Curve Tracer. *Electrical World*, December, 1897, also in *The Electrician*, London, November and December, 1897, and in *The Physical Review*, January, 1898.
- A Resonance Method of Measuring Energy Dissipated in Condensers (with A. W. Smith). *The Physical Review*, January, 1899.
- A Calorimetric Determination of Energy Dissipated in Condensers (with A. W. Smith). *The Physical Review*, February, 1899.
- On the Derivation of the Equations of a Plane Electromagnetic Wave. *The Physical Review*, May, 1899.
- A New Respiration Calorimeter and Experiments on the Conservation of Energy in The Human Body (with W. O. Atwater). *Bul. U. S. Dept. of Agr.*, No. 63 (1899), and *The Physical Review*, September and October, 1899.
- On the Metabolism of Matter in the Living Body. *The Physical Review*, March, 1900.
- The Human Body as an Engine. *Pop. Sci.*, September, 1900.
- Energy and Work of the Human Body. *Pop. Sci.*, Dec., 1900.

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- Metabolism of Nitrogen and Carbon in the Human Organism (with W. O. Atwater and C. D. Woods). *Bul. 44* (1897), *U. S. Dept. Agr., Office of Exp. Sta.*
- Experiments on the Digestion of Food by Man (with W. O. Atwater). *Storrs Exp. Sta. Report*, 10 (1897), 154-167.
- The Determination of Small Quantities of Alcohol (with R. S. Norris). *Jour. Amer. Chem. Soc.*, 20, 293-302; also *Chem. News*, 78 (1898), 66-82.

- Experiments on the Metabolism of Matter and Energy in the Human Body (with W. O. Atwater). *Bul. 69* (1899), *U. S. Dept. Agr., Office of Exp. Sta.*
- The Use of Compressed Oxygen in Elementary Organic Analysis and of Soda-Lime in the Quantitative Determination of Carbon Dioxide (with O. F. Tower). *Jour. Amer. Chem. Soc.*, 21 (1899), 389-398.
- Elementary Organic Analysis. Chemical Publishing Co., Easton, Pa., 1900.
- Absorption Apparatus for Elementary Organic Analysis. *Amer. Chem. Journal*, 23 (1900), 323-333.
- The Elementary Analysis of Organic Substances containing Nitrogen. *Amer. Chem. Journal*, 23 (1900), 334-352.
- The Distillation of Ammonia in the Determination of Nitrogen. *Jour. Amer. Chem. Soc.*, 22 (1900), 259-263.
- The Elementary Composition and Heat of Combustion of Human Fat (with Emil Osterberg). *Amer. Jour. of Physiology*, 4 (1900), 69-76.
- Chemical Lecture Experiments. Macmillan Co., New York, N. Y., 1901.
- A Study of the Food Consumed and Digested by Four Members of the Harvard University Boat Crew in June, 1900 (with W. O. Atwater). *Boston Medical and Surgical Journal*, 144 (1901), 601-606, 629-635.
- Eine neue Methode um Korpertemperaturen zu messen (with J. F. Snell). *Archiv f. d. ges. Physiologie*, 88 (1901), 492-500.
- The Excretion of Nitrogen during Nervous Excitement. *Amer. Jour. of Physiology*, 6 (1902), 398-410.
- Experiments on the Metabolism of Matter and Energy in the Human Body (with W. O. Atwater and others). *Bul. 109* (1902), *U. S. Dept. Agr., Office of Exp. Sta.*, 147 pp.
- Korpertemperatur Schwankungen mit besonderer Rücksicht auf den Einfluss, welchen die Umkehrung der täglichen Lebensgewohnheit beim Menschen ausübt (with J. F. Snell). *Archiv f. d. ges. Physiologie*, 90 (1902), 33-72.
- An Experimental Inquiry regarding the Nutritive Value of Alcohol (with W. O. Atwater). *Memoir National Academy of Sciences*, VIII., 6 (1902), 397 pp.
- A Chemical Method for Obtaining Vacua (with C. R. Manning). *Amer. Chem. Journal*, 27 (1902), 340-345.

- The Nutritive Value of Alcohol. *Boston Medical and Surgical Journal*, 147 (1902), 31-34.
- The Teaching of Chemistry in Graded and Secondary Schools. *Science*, n. s. 18 (1903), 465-470.
- Experiments on the Metabolism of Matter and Energy in the Human Body, 1900-1902 (with W. O. Atwater and others). *Bul.* 136 (1903), *U. S. Dept. Agr., Office of Exp. Sta.*, 357 pp.
- Scientific Aspects of Moderate Drinking. *Boston Medical and Surgical Journal*, 150 (1904), 174-181.
- Studies in Body Temperature. 1. Influence of the Inversion of the Daily Routine; the Temperature of Night Workers. *Amer. Jour. of Physiology*, 11 (1904), 145-169.
- The Respiration Calorimeter (with W. O. Atwater). *Yearbook, U. S. Dept. Agr.*, 1904, 16 pp.
- The Determination of Water in Foods and Physiological Preparations (with C. R. Manning). *Amer. Jour. of Physiology*, 13 (1905), 309-329.
- A Respiration Calorimeter with Appliances for the Direct Determination of Oxygen (with W. O. Atwater). *Publication No. 42* (1905), *Carnegie Institution of Washington*, 193 pp.
- The Cutaneous Excretion of Nitrogenous Material. *Jour. of Biological Chemistry*, 1 (1906), 263-270.
- The Nutritive Requirements of the Body. *Amer. Jour. of Physiology*, 16 (1906), 409-437.
- A Method of Calibrating Gas Meters. *Physical Review*, 22 (1906), 294-299.
- The Determination of Water in Proteins (with C. R. Manning). *Amer. Jour. of Physiology*, 18 (1907), 213-221.
- The Analysis of Urine in a Starving Woman (with A. R. Diefendorf). *Amer. Jour. of Physiology*, 18 (1907), 326-376.
- The Elimination of Creatinine in Women (with V. C. Myers). *Amer. Jour. of Physiology*, 18 (1907), 377-395.
- The Determination of Creatine and Creatinine (with V. C. Myers). *Amer. Jour. of Physiology*, 18 (1907), 397-405.
- The Elimination of Creatine (with V. C. Myers). *Amer. Jour. of Physiology*, 18 (1907), 406-412.
- The Heat of Combustion of Vegetable Proteins (with Thomas B. Osborne). *Jour. of Biological Chemistry*, 3 (1907), 119-133.
- The Rate of Combustion and Pressure Developed in a Calorimetric Bomb (with F. P. Fletcher). *Jour. of the Amer. Chem. Society*, 29 (1907), 739-757.

- Experiments on the Metabolism of Matter and Energy in the Human Body (with R. D. Milner). *Bul.* 175 (1907), *U. S. Dept. of Agr., Office of Exp. Sta.*, 335 pp.
- Metabolism during Inanition. *N. Y. Med. Jour.*, September, 1907.
- The Influence of Inanition on Metabolism. *Pub. No.* 77 (1907), *Carnegie Institution of Washington*, 542 pp.
- Metabolism in Man with Greatly Diminished Lung Area (with T. M. Carpenter). *Amer. Jour. of Physiology*, 23 (1909), 412-419.
- The Influence of Muscular and Mental Work on Metabolism and the Efficiency of the Human Body as a Machine (with T. M. Carpenter). *Bul.* 208 (1909), *U. S. Dept. of Agr., Office of Exp. Sta.*, 100 pp.
- Mercurial Poisoning of Men in a Respiration Chamber (with T. M. Carpenter). *Amer. Jour. of Physiology*, 24 (1909), 187-202.
- Preliminary Observations on Metabolism During Fever (with T. M. Carpenter). *Amer. Jour. of Physiology*, 24 (1909), 203-233.
- An Apparatus for Studying the Respiratory Exchange. *Amer. Jour. of Physiology*, 24 (1909), 345-374.
- The Metabolism of Man During the Work of Typewriting (with T. M. Carpenter). *Jour. Biol. Chemistry*, 6 (1909), 271-288.
- The Metabolism and Energy Transformations of Healthy Man During Rest (with T. M. Carpenter). *Pub. No.* 126 (1909), *Carnegie Institution of Washington*, 255 pp.
- Influence of Mental and Muscular Work on Nutritive Processes. *Proc. Amer. Philosophical Soc.*, 49 (1909), 145-163.

Raymond Dodge, Ph. D., J. W. Beach Professor of Psychology. Born in Woburn, Mass., Feb. 20, 1871. A. B., Williams, 1893; Ph. D., Halle, 1896. Assistant to Professor B. Erdmann, Halle, 1896-7; Professor of Philosophy, Ursinus, 1897-8; Instructor in Philosophy, Wesleyan, 1898-9, Associate Professor, 1899-1902, Professor of Psychology, 1902- ; Assistant Librarian, Williams, 1893-4; Professor of Psychology, summer session, California, 1906, Columbia, 1909 and 1911. Associate Editor, *Psychological Bulletin*, 1903-10, *Psychological Review*, 1910- . Member of American Association for the Advancement of Science, of American Psychological Association, and of American Philosophical Association.

- The Reaction Time of the Eye. *Psychological Review* (1899).
- Zur Erläuterung unserer tachistoskopischen Versuche, von Benno Erdmann und R. Dodge. *Zeitschrift für Psychologie und Physiologie der Sinnesorgane*. Bd. 22.

- Visual Perception during Eye Movements. *Psychological Review*, Sept., 1900.
- The Psychology of Reading. *Psychological Review*, Jan., 1901.
- The Angle Velocity of Eye Movements (with T. S. Cline). *Psychological Review*, March, 1901.
- Christianity and Sanity. *Methodist Review*, Dec., 1901.
- The Act of Vision. *Harper's Magazine*, May, 1902.
- Five Types of Eye Movement in the Horizontal Meridian Plane of the Field of Regard. *Amer. Jour. of Physiology*, Jan., 1903.
- The Participation of the Eye Movements in the Visual Perception of Motion. *Psychological Review*, Jan., 1904.
- The Effect of Eccentric Visual Stimulation on Fixation. *Psychological Bulletin*, Feb., 1905.
- The Illusion of Clear Vision during Eye Movement. *Psychological Bulletin*, June, 1905.
- Recent Studies in the Correlation of Eye Movement and Visual Perception. *Psychological Bulletin*, March, 1906.
- An Improved Exposure Apparatus. *Psychological Bulletin*, 4 (1907), 10-13.
- An Experimental Study of Visual Fixation. *Monograph Supplement, Psychological Review*, vol. 8, No. 4, pp. iv, 1-92. (Published as Studies from the Psychological Laboratory of Wesleyan University, v. 1, No. 1.)
- School Artifice and Psychological Principle in Modern Language Instruction. *Publications of the New England Modern Language Association*, vol. 1 (1908), No. 4, 61-72, Boston, Ginn and Company.
- A Scientific and Practical Subjective Test for Determining the Axis and the Amount of Visual Astigmatism. *Optical Journal*, 22 (1908), 858-860.
- An Experimental Study of the Ocular Reactions of the Insane, from Photographic Records (with A. R. Diefendorf). *Brain*, 31 (1908), 451-489.
- An Analysis of the Involuntary Eye Movements in a Case of Congenital, Binocular, Lateral Nystagmus, from Photographic Records (with A. R. Diefendorf). *Archives of Ophthalmology*, 38 (1909), 1-7.
- A Translation of An Experimental Study of Visual Fixation was published in the *Zeitschrift für Psychologie*, 52, 321-424.
- The Pendular Whiplash Illusion. *Psychological Bulletin*, 7 (1910), 391-4.

A Systematic Exploration of a Normal Knee Jerk, its Technique, the Form of the Muscle Contraction, its Amplitude, its Latent Time, and its Theory. *Zeitschrift für allgemeine Psychologie*, 12, 1-58.

A Working Hypothesis for Inner Psychophysics. *Psychological Review*, 18, 167-185.

Divers articles in *Encyclopaedia of Education*.

Walter Guyton Cady, Ph.D., Charlotte Augusta Ayres Professor of Physics. Born in Providence, R. I., December 10, 1874. Ph. B., Brown, 1895, A. M., 1896; Ph. D., Berlin, 1900. Instructor in Mathematics, Brown, 1895-7; Instructor in Physics, Wesleyan, 1902-3, Associate Professor, 1903-7, Professor, 1907- ; Magnetic Observer, U. S. Coast and Geodetic Survey, in charge of Magnetic Observatory at Cheltenham, Md., 1900-2. Fellow of American Association for the Advancement of Science; member of American Physical Society, and of Philosophical Society of Washington.

A Direct-Recording Magnetic Variometer. *Terrestrial Magnetism*, 9 (1904), 69-80.

A Machine for Compounding Sine Curves. *Science*, 23 (1906), 877-881.

The Iron Arc. *Nature*, 74 (1906), 443-444.

A Direct-Recording Declinograph. *Terr. Mag.*, 11 (1906), 145-152.

Ein Magnetischer Deklinograph mit Selbsttätiger Aufzeichnung. *Phys. Zeitschr.*, 7 (1906), 710-713.

The Magnetite Arc. *Electrician*, (1907), 816.

The Hissing Point of the Metallic Arc. *Phys. Rev.*, 24 (1907), 381-383.

Note on the Hissing Metallic Arc. *Phys. Rev.*, 24 (1907), 446.

Ein Magnetischer Deklinograph mit selbsttätiger Aufzeichnung. *Der Mechaniker*, 25 (1907), 133-137.

On the Electric Arc Between Metallic Electrodes. 1st Paper. *Amer. Jour. Sci.*, 24 (1907), 383-411. (With H. D. Arnold.)

Ueber den Elektrischen Lichtbogen zwischen Metallelektroden. Erste Mitteilung. *Phys. Zeitschr.*, 8 (1907), 890-906. (With H. D. Arnold.)

On Oscillations in the Metallic Arc. *Science*, 28 (1908), 254-255.

Determination of the Frequency of Glow-Arc Oscillations. *Phys. Rev.*, 28 (1909), 388-389.

On the Electric Arc Between Metallic Electrodes. 2nd Paper. *Amer. Jour. Sci.*, 28 (1909), 89-102. (With G. W. Vinal.)

Same title, 3d paper. *Amer. Jour. Sci.*, 28 (1909), 239-250.

Ueber den Elektrischen Lichtbogen zwischen Metallelektroden.
Zweite Mitteilung. *Phys. Zeitschr.*, 10 (1909), 569-576. (With
G. W. Vinal.)

Same title, Dritte Mitteilung. *Phys. Zeitschr.*, 10 (1909), 623-630.

Demonstrations of Electrical Oscillations. *Science*, 30 (1909),
854-855.

Leroy Albert Howland, Ph.D., Associate Professor of Mathematics.
Born in Acushnet, Mass., July 6, 1879. A. B., Wesleyan, 1900; A. M.,
Harvard, 1904, Parker Fellow, 1906-8; Ph. D., Munich, 1908. Instructor
in Mathematics, Drexel Institute, 1900-3; Wesleyan, 1905-6, Associate
Professor, 1908- ; Associate Editor of "Annals of Mathematics,"
1910-11. Member of American Mathematical Society.

Burton Howard Camp, Ph.D., Associate Professor of Mathematics.
Born in Hartford, Conn., Sept. 20, 1880. A. B., Wesleyan, 1901; A. B.
Harvard, 1903, A. M., 1907; Fellow, Yale, 1910-11, Ph. D., 1911. Teacher,
Vassalboro, Me., 1901-2; Assistant in Astronomy, Harvard, 1902-3; In-
structor in Mathematics, Mass. Institute, 1903-4, Wesleyan, 1904, in
Mechanics, Harvard, 1906-7, in Mathematics, Wesleyan, 1907-9, Asso-
ciate Professor, 1909- . Member of American Mathematical Society.

Raemer Rex Renshaw, Ph.D., Instructor in Chemistry. Born in
Sierraville, Cal., Aug. 31, 1880. B. S., Oregon, 1902, M. S., 1903; Fellow,
Columbia, 1904-5, Ph. D., 1907. Instructor in Chemistry, Oregon,
1902-4, Wesleyan, 1907- ; Chemist and Factory Superintendent for Pine
Products Co., Savannah, Ga., summer of 1905; Teacher, Morris Evening
High School, N. Y. City, 1905-6; Instructor in summer school, Columbia,
1907-8; Abstractor for Abstract Journal of American Chemical Society,
1907-10. Member of American Chemical Society.

4-Amino-O-Plthalic Acid and Some of its Derivatives (with M. T.
Bogart). *Jour. of Amer. Chem. Soc.*, 30 (1908), 1135.

Preparation of Choline and Some of its Salts. *Jour. of Amer. Chem.
Soc.*, 32 (1910), 128.

Bactericidal Properties of Lecithins (with K. N. Atkins). *Jour. of
Amer. Chem. Soc.*, 32 (1910), 130.

Studies in the Action of Heat on Milk (with F. C. Ware). *Jour.
of Amer. Chem. Soc.*, 32 (1910), 391.

Alexander Chilson Stevens, M. E., Instructor in Descriptive Geometry and Assistant in Physics. Born in Riverhead, L. I., Oct. 9, 1883. Studied at Wesleyan, 1902-4; M. E., Cornell, 1907. Assistant in Physics, Wesleyan, 1907-11, Instructor in Descriptive Geometry, 1908-11. Associate Member of American Physical Society.

Groups of Incandescent Lamps used as Constant Resistors. *Electrical World*, 52 (1908), 234-5.

John William Turrentine, Ph. D., Instructor in Chemistry. Born in Burlington, N. C., July 5, 1880. Ph. B., North Carolina, 1901, M. S., 1902; Ph. D., Cornell, 1908; Instructor in Chemistry, Lafayette, 1902-5; Assistant in Chemistry, Cornell, 1905-6, in Electrochemistry, 1906-8; Instructor in Chemistry, Wesleyan, 1908 to May 1, 1911; Chemist, Bureau of Soils, Washington, D. C., 1911-. Fellow of American Association for the Advancement of Science; member of American Chemical Society, of American Electrochemical Society, of National Geographic Society, and of Deutsche Bunsen-Gesellschaft.

A Graphite Cathode Dish. *Jour. Phys. Chem.*, 13 (1909), 438.

A Modified Oxy-Hydrogen Gas Coulometer. *Jour. Phys. Chem.*, 13 (1909), 349.

The Meaning of Current Density. *Jour. Phys. Chem.*, 14 (1910), 152.

A Rotating Graphite Anode. *Jour. Ind. Eng. Chem.*, 2 (1910), No. 8.

The Oxalates of Hydrazine. *Jour. Amer. Chem. Soc.*, 32 (1910), 577.

David Day Whitney, Ph. D., Instructor in Biology and Acting Curator of the Museum. A. B., Wesleyan, 1904; A. M., Columbia, 1906, Ph. D., 1909. Assistant in Zoölogy, Columbia, 1907-8; Instructor in Biology, Wesleyan, 1908-. Fellow of American Association for the Advancement of Science, Member of American Society of Zoölogists, and of American Society of Naturalists.

Further Studies on the Elimination of the Green Bodies from the Endoderm Cells of *Hydra Viridis*. *Biological Bulletin*, 15, 241-246, October, 1908.

Dessication of Rotifers. *Amer. Naturalist*, 42, 665-671, October, 1908.

Observations on the Maturation Stages of the Parthenogenetic and Sexual Eggs of *Hydatina senta*. *Journal of Experimental Zoölogy*, 6, 137-145, December, 1908.

The Effect of a Centrifugal Force upon the Development and Sex of Parthenogenetic Eggs of *Hydatina Senta*. *Journal of Experimental Zoölogy*, 6, 125-135, December, 1908.

The Influence of External Conditions upon the Life Cycle of *Hydatina Senta*. *Science*, n. s., v. 32, No. 819, pp. 345-349, September 9, 1910.

The Poisonous Effects of Alcoholic Beverages not Proportional to their Alcoholic Contents. *Science*, n. s., v. 33, No. 850, pp. 587-90, April 14, 1911.

John Kenyon Lamond, Ph.D., Instructor in Mathematics. Born in Hillsdale, R. I., August 1, 1887. B.S., R. I. State, 1907; A.M., Yale, 1908, Fellow, 1908-10, Ph.D., 1910. Instructor, R. I. State College Preparatory School, 1906-7; Instructor in Mathematics, Wesleyan, 1910- . Member of American Mathematical Society.

Walter Ransom Barrows, Instructor in Physical Geography. Born in Chicago, Ill., Sept. 1, 1884. A.B., Oberlin, 1906; graduate student, University of Washington, School of Mines, 1906-7, Yale, 1909-11, Fellow, 1909-10, Assistant, 1910-11. Instructor in Physical Geography, Wesleyan, 1910- . Field Assistant, Geological Survey of Canada, summer of 1910, U. S. Geological Survey, summer of 1911.

OBITUARY

AUGUSTUS WILLIAM SMITH *

. . . Dr. Smith was a native of Herkimer County, N. Y., and born May 12, 1802; his father was a respectable farmer, a man of strong mind and influence, a leading member in the Methodist Episcopal Church, whose friendly house was ever the welcome home of the itinerant. Under the preparation of the Rev. Dr. Wicks, Paris Hill, N. Y., he entered the freshman class of Hamilton College, and in scholarship he had no superiors among his classmates, graduating with the highest honors in the year 1825. He was engaged immediately as a teacher in the Cazenovia Seminary of the Oneida Conference, just then established, and soon after elected its Principal. . . .

* From a memorial article written by G. P. Disosway, *Methodist Quarterly Review*, 49 (1867), 99.

While at Cazenovia, Mr. Smith was married to Catharine Childs, the daughter of the Hon. Perry G. Childs of that place; and his excellent lady, with two sons and two daughters, survives him. . . . In 1850 Hamilton College, his alma mater, conferred on him the degree of LL. D., and afterward the same honor was bestowed by Rutgers College, N. J., and also by a Southern University. During the sickness and absence of Dr. Fisk he often discharged the responsibility of president of the Wesleyan University with great fidelity and success, securing the sincere attachment of the students. What increased the interest and value of his class exercises, was his concise, clear, and beautiful method and talent of imparting knowledge and science. No one, we can imagine, could excel him in the faculty of fixing the attention of the pupil to the subject before him, so that he could grasp its difficulties and understand them. By natural genius and patient study Dr. Smith became eminently qualified for teaching, particularly in his own special professorship. With an exalted sense of the value of the sciences he taught, and with simple and direct methods, he could not fail, in spite of frequent ill health, to become, as he did, a successful and able teacher. Scholarly and learned, clear in perception and statement, vigilant, gentle, and gentlemanly, he always secured affection, respect, and confidence. He was everywhere unostentatious and quiet; still, in the highest circles of education and science, among his literary peers, his superior worth was cheerfully acknowledged.

In 1849 Dr. Smith published an "Elementary Treatise on Mechanics," a valuable text-book for undergraduates, and a second edition was issued in 1858. He was one of the astronomical corps sent by the U. S. Government to Labrador to make observations upon the annular eclipse of the sun, and the well known learned Professor Bache at the time stated that some of them were of great scientific value. In 1852 he was chosen President of the Wesleyan University, the successor to the lamented and eloquent Dr. Olin. Accustomed to the duties of this important office, he performed them with distinguished fidelity and talent. Although not eminently gifted as a public speaker, his words were often impressive and effective. In 1859 he received the appointment of Professor of Natural and Experimental Philosophy in the United States Naval Academy at Annapolis, which he retained until his decease. In this national school, the last scene of his labors, his intellectual and moral worth will long be remembered. At his death the *National Intelligencer* contained a communication on the sorrowful occasion, referring to his other characteristics besides those of the able teacher.

"As head of the department of natural philosophy, by his high attainments, and no less by his quiet energy, he contributed largely to the efficiency of the naval academy as a school for educating young men for discharging the responsible duties of naval officers.

"As an instructor he was a model. His style and method were clear and luminous. Laborious in the preparation of his lectures, he was at all times ready to impart information. His manner in the lecture-room was highly attractive. He never, by act, word, or look, disparaged the efforts or undervalued the acquirements of his pupils. Earnest and thorough, his perfect mastery of the branches taught, and his skill and long experience, enabled him to develop the minds of those committed to his charge to an unusual degree.

"As an associate, his uniform courtesy, his high moral character, his ripe judgment, and kindness of heart made him very dear to us. We knew him not only as an officer but as a friend."

JOHN JOHNSTON*

It is somewhat remarkable that, since the death of President Olin in 1851, no death has occurred among the actual members of the faculty of Wesleyan University (though several have occurred among ex-members) until the college was called upon to mourn the loss of its senior professor on the first day of the present month. It is, indeed, only the fourth time that the ranks of the faculty have been broken by death since the foundation of the college. In Dr. Johnston's professorial career of forty-four years, his own history became more closely identified with the history of the college than that of any other man. Entering the faculty only four years after the foundation of the college, he knew the feebleness of its early days, and the earnest toil and sacrifice by which its existence was maintained and its progress insured. And he lived to see the fruit of his own and others' labors in its present prosperity and power. The link that bound the present with the past of the college is broken now. The present faculty belongs to another generation. Dr. Johnston had been in the faculty fifteen years when the present senior professor was graduated; and that professor's official term commenced in the administration of the fourth of the presidents with whom Dr. Johnston was associated.

Dr. Johnston was born August 23, 1806, in Bristol, Me. He was graduated from Bowdoin College in 1832. The next three years he

* From a memorial article written by William North Rice, *Christian Advocate*, December 18, 1879.

taught in Oneida Conference Seminary (now Central New York Conference Seminary), Cazenovia, N. Y. In 1835 he became Principal of that institution. In the same year he was called to Wesleyan University as Adjunct Professor of Mathematics and Lecturer on Natural Science. In 1839 he was elected Professor of Natural Science. The duties of that position he continued to discharge until, in 1873, the infirmities of age compelled him to become Professor Emeritus. He continued, however, to lecture on Natural Philosophy until 1876. After that time he was unable to render even that amount of service, but his honored name retained its place in the college catalogue till his death.

In 1835 he married N. Maria Hamilton, who died a little more than a year before her husband. Five sons were born to them, of whom one died in infancy, and four are still living. These four were all graduates of Wesleyan University. The closing years of Dr. Johnston's life were spent in the home of his sons on Staten Island.

As a teacher, Dr. Johnston was always beloved by his pupils. His geniality and patient kindness, and the quiet humor which was too loving ever to become sarcasm, won all hearts. In his long term of service he gained such a host of friends as it is seldom the privilege of one man to possess. I once heard him say that there was only one of the alumni of the college with whom he was not personally acquainted. By all that multitude he was known only to be loved. Many an alumnus has heard of his death with such a shock of grief as smites a man when he hears of the death of his own father.

He was, if possible, more highly esteemed by his associates in the faculty, than by those who had known him only as their instructor. The younger professors, most of whom had been his pupils, looked upon him, the patriarch of the faculty, with a sort of filial reverence. Especially will the two young professors who came, in his old age, to divide with him the duties of a department which had grown, in the progress of knowledge and of thought, too vast for one man to occupy, ever hold in grateful remembrance the cordiality with which he sustained them in their work.

Dr. Johnston was the author of text-books on Chemistry and Natural Philosophy, which passed through several editions, and in their time were extensively used; though the rapid march of science in the years which have elapsed since their latest revision has left them behind.

Dr. Johnston possessed extraordinary skill in the construction and manipulation of apparatus. At a time when the limited means of the college precluded the purchase of many desirable articles of apparatus, his remarkable ingenuity went far toward supplying the lack. His brilliant

experiment of solidifying carbonic acid, with apparatus of his own invention, gave him a high reputation among chemical experimenters.

He was a man of great general intelligence, and of liberal interest in lines of study other than those to which his own life was mainly devoted. He took a deep interest in local history, which led to the preparation of an elaborate volume on the "History of the Towns of Bristol and Bremen, Maine," published in 1873—his last important publication.

Dr. Johnston was a sincere believer in the truth of Christianity. For him there was no conflict between science and religion. That conflict he avoided, not by denying or ignoring the facts and probabilities of science, but by the clearness with which he recognized the distinctness between the respective spheres of science and religion. In the early days, when many good men felt that the geological doctrine of the great antiquity of the earth was inimical to Christianity, he boldly recognized the truth of science, and felt no fears for the fate of Christianity.

. . . Nowhere did his kindness and purity—his thorough goodness—appear to better advantage than in his own home. His home was a beautiful example of what home should be, in the atmosphere of mutual love and confidence which ever pervaded it. And his last years of feebleness have been cheered by the dutiful affection of sons worthy of such a father. . . .

GEORGE BROWN GOODE *

During the summer vacation the alumni of Wesleyan University have lost from their ranks one most eminent for scientific attainments and public services.

G. Brown Goode was born in New Albany, Ind., February 13, 1851, and died in Washington, D. C., September 6, 1896—a life short in years, but long as measured by its achievements.

He studied in Wesleyan University, and was graduated in 1870. His work in college in the studies of the natural history group attracted the favorable notice of his teachers, and led to his appointment as Assistant Curator of the Museum. After a few months of graduate study in Harvard University, he entered upon his work in Wesleyan in 1871.

The Orange Judd Hall of Natural Science, the munificent gift of Orange Judd, was then in process of erection. It was dedicated during Commencement week in 1871. Before that time the Natural History collections of Wesleyan University were scattered in several buildings,

* From a memorial article written by William North Rice, *Wesleyan University Bulletin*, No. 19, November, 1896.

very imperfectly labeled and arranged, and most inaccessible to students or visitors. The spacious rooms in Judd Hall first gave the opportunity to arrange and display those collections in such a manner as to give them the dignity of a museum. It was in the installation of the comparatively humble collections in Judd Hall that Dr. Goode first showed that genius for museum administration which he was destined afterwards to display in a larger field. In 1871, his title was changed to Curator of the Museum, and in that capacity his name appears in the catalogues until 1879.

The United States Commission of Fish and Fisheries was organized about the time that Dr. Goode commenced his work in the Wesleyan Museum. In the early years of the decade between 1870 and 1880, the work of exploration of the marine zoölogy of our coast, under the auspices of the Fish Commission, was largely carried on by officers of various colleges, who were willing to serve as volunteer assistants, for the opportunities which the service afforded of study and of collecting for the museums with which they were connected. In this capacity, Dr. Goode worked for several summers, and rich collections were added each year to the Museum of Wesleyan. To Dr. Goode, the work of these summers in the Fish Commission opened the way to the official career in which he was destined to achieve such distinction.

It was in the summer of 1872, at Eastport, that he first attracted the attention of Professor Baird, who was then at the head of both the Fish Commission and the National Museum. Professor Baird invited him to spend the following winter in Washington, to classify and distribute an immense amount of duplicate material which had accumulated in the National Museum, taking his pay in specimens for the Museum of Wesleyan. He became thus an Assistant in the National Museum, while still holding the position of Curator at Wesleyan.

Dr. Goode was soon recognized as indispensable in the National Museum. In 1875 he was made Assistant Curator; and, in 1877, he was promoted to be Curator. In 1881, he was made Assistant Director; and on the death of Professor Baird, in 1887, Dr. Goode became Director of the National Museum and Assistant Secretary of the Smithsonian Institution. To his genius is largely due the eminent rank which the United States National Museum now holds among the great museums of the world, in point of methods of installation and arrangement. But the work of the National Museum itself is only a part of the museum work which Dr. Goode accomplished. He was in charge of the exhibits made by the National Museum at the Centennial Exposition in Philadelphia, at the expositions in New Orleans, Cincinnati, Louisville, and

Atlanta, and at the Columbian Exposition in Chicago; and each of these expositions gave new evidence of his mastery of museum administration.

The connection with the U. S. Fish Commission which he formed as a volunteer assistant in 1872, he kept up for many years. In 1877-78, he was employed by the United States as statistical expert in the proceedings of the Fishery Arbitration Commission at Halifax. In 1889-91, he had charge of the investigation of the fisheries for the United States Census. He was Commissioner for the United States at the fishery exhibitions in Berlin in 1880, and in London, in 1883. In 1887 he was appointed U. S. Commissioner of Fish and Fisheries; but there was a limit even to his power of administrative work, and he accepted the appointment only to provide for a temporary emergency in the history of the Commission and speedily resigned.

In museum administration, Dr. Goode was preëminent. He was master of it in theory and practice. He had seen and studied all the important museums of Europe; and knowledge of all that was best in the experience of other institutions joined with inventive genius to make his work in the National Museum so admirable.

The amount of administrative work belonging to the various offices which he held, left comparatively little time for scientific investigation. He accepted loyally and unselfishly the duties of the offices to which he was called, sacrificing in large degree the reputation which he might have gained as an original investigator in science. He sacrificed, indeed, not only reputation, but eventually even life, for it was undoubtedly the overwork demanded by his manifold official duties that enfeebled his constitution, and made him an easy prey to the final attack of disease.

His purely scientific work was in the line of Ichthyology. He was especially an authority on the pelagic and abyssal fishes. The great work on Oceanic Ichthyology, of which he and Dr. T. H. Bean were joint authors, was published in 1895. He was also an authority on the subject of fisheries. He was the chief editor of the seven quarto volumes on the Fisheries and Fishery Industries of the United States, published by the U. S. Fish Commission.

He had a fondness for bibliographical, genealogical, and statistical work, which led him sometimes altogether aside from his purely scientific pursuits. He was one of the editors of the editions of 1873 and 1883 of the Alumni Record of Wesleyan University. His work on the history of his own family was published under the title, "Our Virginia Cousins."

Throughout his life he cherished a loving and loyal interest in the college with which his early years of study were associated, and which

was proud to recognize his later achievements by giving him the honorary degree of LL. D. He was the donor of the Goode Prize, which has helped to stimulate interest in the studies which he so loved.

He was a man pure, honest, and generous in every relation. In the life of the national capital, where the crookedness of politics sometimes penetrates into the scientific bureaus, he maintained unswerving integrity. His sympathy, counsel, and help were always ready for any of his fellow workers in science. His death was felt as a personal bereavement by all the employees of the Smithsonian Institution, from the highest officer to the humblest laborer. To know him was to respect him. To know him well was to love him.

WILBUR OLIN ATWATER *

Coming here to-day as an officer of the United States Government to do honor to a long-time associate in the public service, and to recount some of the work which he did as a public man, I feel that I should fail of my whole duty if I did not at the outset say that I have come also to express my deep interest in Professor Atwater as a personal friend. Brought for a long period into very close personal relations with him, and having revealed to me in a most intimate way his heart and mind, I came to respect and love the man in an unusual degree, and to count among my greatest treasures his hearty and unswerving friendship. It is, therefore, with the sense of a great personal bereavement that I come to say a few words in his honor to-day; and, however imperfect my tribute may be, my heart goes with it.

When Mr. Atwater graduated from Wesleyan University in 1865, a great movement was already under way in Europe and the United States in which he was destined to take an important part. The use which might be made of science, and particularly of chemistry, to benefit agriculture, had many years before been pointed out and to a certain extent demonstrated by the work of such men as Liebig in Germany, Boussingault in France, and Lawes and Gilbert in England. . . .

Meanwhile, in the United States, Yale College had made John P. Norton professor of agricultural chemistry and vegetable and animal physiology in 1846, and after his death S. W. Johnson had succeeded him, who not only taught agricultural chemistry, but also wrote the important text-book entitled, "How Crops Grow," first published in

* From an address by Alfred Charles True on the occasion of a memorial service held at Wesleyan University, October 6, 1907.

1868, and carried on laboratory investigations on his own account. He was joined in 1864 by William H. Brewer as professor of agriculture. . . .

Mr. Atwater received the degree of doctor of philosophy from Yale University in 1869, after a period principally spent in studying agricultural chemistry under Professor Johnson. There he also came under the influence of Professor Brewer. At this time he showed a desire to work in fields of science giving promise of early enlargement, and manifested an ability to forecast correctly the lines of development—characteristics which largely determined his future success. . . .

From 1869 to 1871 he studied agricultural and physiological chemistry at the Universities of Leipsic and Berlin, and acquainted himself with the European agricultural experiment stations. After his return to America his first experience as a college professor was at the University of Tennessee and the Maine State College. He was thus brought into close touch with the national movement for agricultural education and research.

Coming to Wesleyan University in 1873 as professor of chemistry, he was again brought into close association with Professors Johnson and Brewer at New Haven, and with other agricultural leaders in Connecticut. He also became intimate with Orange Judd, the founder and long-time editor of the *American Agriculturist*, who had but recently given to Wesleyan, his alma mater, a hall of natural science in which Professor Atwater had his laboratory for more than thirty years.

With these men as associates and advisers, Professor Atwater, fresh from his observations of the agricultural experiment stations in Europe, entered with enthusiasm into the movement already on foot to establish similar institutions in the United States. On December 17, 1873, at the winter meeting of the Connecticut State Board of Agriculture, Professors Johnson and Atwater urged the establishment of a station in Connecticut after the European pattern. A long period of agitation followed. The project had many warm friends, but the great mass of the farmers took little interest in the enterprise. When it became apparent that it could not otherwise succeed, Mr. Judd offered on his own part \$1,000 to begin the undertaking, and, on the part of the trustees of Wesleyan University, the free use of a chemical laboratory. These offers were made on condition that the State legislature should appropriate \$2,000 per annum for two years for the work of the station. An act making this appropriation was unanimously passed July 2, 1875. Professor Atwater was made director, and the first State agricultural experiment station began operations in October of that year. At the end of the two years provided for in the original bill, the station was

reorganized under the direct control of the State and permanently located in New Haven.

Without doubt this action of the State was a great discouragement to Professor Atwater, but with his usual persistency he continued to labor earnestly in the cause of agricultural science. He organized and superintended an extensive series of field experiments with fertilizers, accounts of which were printed in the annual reports of the Connecticut State Board of Agriculture for 1877 and succeeding years. He also prepared a series of about seventy articles on science applied to farming, which were published in the *American Agriculturist* from 1875 to 1881.

As agricultural experiment stations were established one after another in rapid succession in different states, he kept in touch with the leaders in this movement; and, when it assumed a national aspect and Congress was asked to enact a general law granting funds for stations in all the states, he was among the foremost of the representative leaders of agricultural advancement who urged the adoption of this measure. . . .

On the passage of the Hatch Act in 1887, granting \$15,000 annually to each state and territory for the maintenance of one or more experiment stations, the Storrs Agricultural Experiment Station was organized by an Act of the Connecticut legislature, and half the income received under the Hatch Act was granted to this station. During this period a relatively large amount of scientific work along chemical and other lines related to agriculture was done by this station with quite limited funds. Of special interest were Professor Atwater's studies on the acquisition of atmospheric nitrogen by plants, begun several years prior to the establishment of the Storrs Station and continued as part of the work of that station from 1888 to 1892.

The Hatch Act provided for the establishment in the Department of Agriculture at Washington of a central office for the promotion of the general interests of the experiment stations throughout the country. On the invitation of Commissioner Colman, Professor Atwater consented to become the first director of the Office of Experiment Stations, on condition that he should retain the directorship of the Storrs Station and his professorship at Wesleyan.

The Office was organized October 1, 1888. As his assistants in the management and work of this Office, Professor Atwater called in two alumni of Wesleyan, former members of her faculty, Dr. A. W. Harris, now President of Northwestern University, and Dr. A. C. True. . . .

The first Farmers' Bulletin was published in 1889. This series proved so popular that it was soon transferred from the Office and made a general series for the Department of Agriculture. Congress made a

special printing fund for them, and the Congressmen undertook their distribution on a large scale. Some 300 of these bulletins have been issued, a large number of which were prepared in the Office of Experiment Stations. The editions of many of these bulletins have aggregated hundreds of thousands of copies, and the total output of Farmers' Bulletins by the Department has been many millions of copies. In 1906 alone more than 6,000,000 copies were printed.

The abstract journal was provided in the *Experiment Station Record*, the first volume of which appeared in 1889. This has been developed into the most comprehensive journal of its class in existence, and its circulation among students and investigators in agricultural science is worldwide. The Office has also published a considerable number of monographs on special subjects, as suggested by Professor Atwater.

With the rapid growth of the experiment station movement at home and abroad and the recognized success of the Office as a promoter of the stations' interests, the business of this Office soon increased to such an extent that it became obvious that it should have at its head a Chief who could devote his entire time to its management. Unwilling to relinquish his work as a teacher and investigator, Professor Atwater wisely decided to give up the directorship of the Office in 1891. Mr. Harris was appointed to succeed him, but also withdrew two years later to become president of the Maine State College, and was in turn succeeded by the speaker. It has thus been possible in a large way to continue to the present time the general policy of the Office inaugurated by Professor Atwater.

The influence of Professor Atwater on the development of agricultural education and research in this country has been greatly broadened through the men who came into direct association with him as students in his laboratory and who have since become directors of experiment stations and professors in the agricultural colleges. Some of these men are now among the most active and influential leaders in this national movement.

Parallel with his studies in agricultural chemistry, Professor Atwater began at an early day to carry on investigations in physiological chemistry, with special reference to the problems of human nutrition. These studies soon brought him into official relations with national and state organizations having funds which could be used to promote research in these lines. Between 1879 and 1883 he made a series of analyses of fish for the United States Fish Commission, and of the flesh of domestic animals for the Smithsonian Institution. Studies of the dietaries of people in Massachusetts and Canada were also made for the Massachusetts Bureau of Statistics and Labor, and published in 1886.

Similar work was instituted in connection with the Storrs Experiment Station; and in 1893, with the aid of Hon. J. Sterling Morton, then Secretary of Agriculture, an appropriation was obtained from Congress for investigations in human nutrition in coöperation with the experiment stations. Headquarters for this enterprise were established at Middletown, Conn., and Professor Atwater made its official chief. This work was broadly planned, and steadily developed in succeeding years until it became the most comprehensive investigation on this subject ever undertaken. The coöperation of universities, colleges, and schools, experiment stations, public institutions and private organizations of various kinds, was secured in different parts of the country. Hundreds of dietary studies of people of different occupations were made and the results of similar studies throughout the world were collated. Numerous digestion experiments with men were carried on, and special studies made of the nutritive value of different cereals, meats, vegetables, fruits, nuts, the effects of cooking and other forms of preparation on nutritive value, and other important food problems. Special efforts were made to improve methods and apparatus for such work.

From a scientific point of view the most important results of these investigations was the development and use of special forms of bomb and respiration calorimeters, with the efficient aid of Professors Rosa and Woods, and the skilled mechanic, Mr. Blakeslee.

The respiration calorimeter was afterwards improved with the aid of Dr. Benedict. An instrument was thus provided for studying the effect of food in the development of energy, which surpasses all apparatus of the kind in range and accuracy of operation. As a direct outcome of this work, a respiration calorimeter for use with the larger domestic animals has been constructed by Dr. Armsby at State College, Pa. The studies in human nutrition already made with the Atwater-Rosa-Benedict calorimeter have been very important and promise to be still more so. Direct evidence has been obtained that the law of the conservation of energy holds good in the utilization of food in the human body, as well as important data regarding the actual nutritive value of different foods and the relations of food to muscular energy and mental work.

As Chief of Nutrition Investigations in the office of Experiment Stations, Professor Atwater planned and supervised investigations which were carried on in about twenty states. The results of this work are embodied in about a hundred technical and popular publications issued by the United States Department of Agriculture and the Storrs Station. With the rapid development of courses in domestic science in colleges

and schools throughout the country, and the lack of good text-books on human nutrition, these government publications have been in great demand among teachers and students. Some of the popular bulletins have been issued in editions aggregating hundreds of thousands of copies. The results of these investigations are now also being incorporated in text-books and manuals in this and other countries.

In the judgment of many competent experts, the nutrition investigations conducted under Professor Atwater's directions were more thorough in their scientific methods, more extended in the scope and amount of investigation, and more useful in the distribution and practical application of their results, than any other inquiry of the kind thus far undertaken in this country or in Europe. . . .

— THE —
WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



BULLETIN 50 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

*Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown, Connecticut,
under the Act of Congress of July 16, 1894*

MIDDLETOWN, CONNECTICUT
PELTON & KING



CALENDAR

1911

Sept. 21	Thursday	9:00 A. M.	College year began.
Nov. 29	Wednesday	12:00 M.	Thanksgiving recess began.
Dec. 2	Saturday	7:50 A. M.	Thanksgiving recess ended.
Dec. 20	Wednesday	5:00 P. M.	Christmas recess will begin.

1912

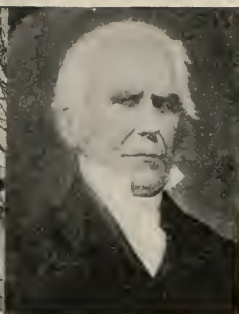
Jan. 4	Thursday	7:50 A. M.	Christmas recess will end.
Jan. 22	Monday		Mid-year examinations will begin.
Feb. 5	Monday	7:50 A. M.	Second half-year will begin.
Feb. 22	Thursday		Washington's Birthday,—a holiday.
Mar. 7	Thursday	8:00 P. M.	Briggs Prize Debate.
Apr. 2	Tuesday	5:00 P. M.	Easter recess will begin.
Apr. 10	Wednesday	7:50 A. M.	Easter recess will end.
May 2	Thursday	8:00 P. M.	Junior Exhibition.
May 30	Thursday		Memorial Day,—a holiday.
May 31	Friday		Final examinations will begin.
June 16	Sunday	10:30 A. M.	Baccalaureate Sermon.
June 17	Monday	9:30 A. M.	Examinations of College Entrance Examination Board will begin.
June 19	Wednesday	10:30 A. M.	COMMENCEMENT.
Sept. 18	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Sept. 19	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President



SOUTH COLLEGE
Erected 1824 5
Oldest Building
Administration Offices



LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

WESLEYAN'S PROGRESS.—Every friend of Wesleyan is interested in its growth into a “bigger and better” Wesleyan, into the best small college in the land. An increased enrolment, an increased endowment, a better paid and larger faculty, improved library facilities, new buildings, improved relations of the alumni to the institution, and improved standards of scholarship are planks in the platform of progress which is outlined in the following editorials.

REGISTRATION.—This year Wesleyan University has the largest attendance in its history, 390 men and 6 women. The next largest totals were 355 men and 12 women in 1910-11, and 293 men and 57 women in 1900-01. The freshman class numbers 113, and has been surpassed only by 1914 with 133, and 1913 with 119. Wesleyan should regularly have an entering class of 150, and every effort should and will be put forth to assure such classes in the future. To attain this end, no lowering of standards will be considered; but rather the contrary, for Wesleyan desires only those students who are competent and willing to do college work well.

COEDUCATION.—Coeducation in the undergraduate courses will cease with the graduation of the class of 1912, but women may still be admitted as graduate students.

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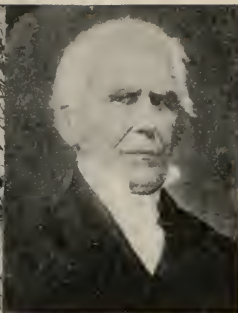
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COEDUCATION.—Coeducation in the undergraduate courses will cease with the graduation of the class of 1912, but women may still be admitted as graduate students.

NON-GRADUATES.—From 1831 to 1909, there were matriculated in the University 4,444 students, of whom only 2,783, or 62.6 per cent, received bachelor's degrees. There has been a slight improvement in recent years, 65.2 per cent of the men matriculated having been graduated in the last five classes. Every effort is being made to detect and prevent such losses as are properly avoidable, and it is hoped that future classes will show an increasing percentage of graduates.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS.—The *Bulletin*, in May, 1907, and again in May, 1909, discussed the geographical distribution of students, and suggested that it was desirable that the student body should grow more cosmopolitan as it increased. Special attention was called to the possibility of drawing students from the Middle West, but this possibility has not yet been realized to any considerable extent. The attendance from New England has remained almost stationary, but that from the Middle States (New York, New Jersey, Pennsylvania, Maryland, and District of Columbia) has increased notably. In 1906-07, there were 137 men registered from New England, 147 from the Middle States, and 19 from other states or countries. In 1911-12, the attendance from New England is 150 men, from the Middle States, 211, and from elsewhere, 29. Though 20 per cent of the alumni live outside New England and the Middle States, less than 8 per cent of the students are registered from outside these states. It is highly desirable that this 20 per cent of the alumni should contribute its share in increasing future classes.

FINANCIAL EXHIBIT.—The *Financial Exhibit* for the year ending June 30, 1911, shows an increase in endowment funds during the year of \$14,235.76, making the total \$1,637,034.71. The total property of the University is \$2,718,821.64. Thanks to gifts of \$20,846.98 for current expenses, the accounts show a surplus, the first for several years. The accumulated deficit now amounts to \$89,070.53. The endowment funds yielded an average income of 5.114 per cent.

ADDITIONAL ENDOWMENT.—Excellent progress is being made in the effort to raise a million dollars of additional endowment. President Shanklin, Mr. John C. Clark, the vice-president of the board of trustees, Mr. Clinton D. Burdick, the treasurer, and other members of the committee who have the work in charge, have opened an office in New York City and are pushing the campaign with all possible vigor. It is expected that announcement of the successful completion of the work will be made at the next Commencement.

Some of the most important needs to be met by increased funds, aside from stopping the regularly recurring deficit, are indicated in the following editorials.

SALARIES.—It is generally recognized that the first need to be met by the additional endowment is the increase in the regular salary of the professors from \$2,500 to \$3,000. This and similar salary increases will require an additional income of nearly \$10,000. The additional \$500 will not cover the increased cost of living since the figures were fixed at \$2,500 in 1871; nor will the sum enable Wesleyan to compete on even terms with larger institutions in securing members of the faculty.

ENLARGEMENT OF THE FACULTY.—With the exception of the election of a professor of history in 1900, and of psychology in 1902, no additional department of study has been recognized by the establishment of a professorship since 1893. The time has now arrived when Wesleyan must meet the advances made by sister institutions by the creation of certain new chairs and the increase of the staff in existing departments. The rapid growth in attendance during the past three years has already overburdened certain departments, and further increase in attendance must be anticipated. A study of the present enrolment in the various departments and a comparison with the faculties of corresponding institutions shows that additional professors are seriously needed in biology, English, economics, and history, while the growth of the student body will require an increase in the instructing force in other departments. To maintain its traditions and standards Wesleyan must increase its faculty with professors and associate professors, and not merely with instructors.

The appointment of an additional professor in a department divides the field of scholarship with which either must keep abreast, and so enables each professor to be more expert in the subjects which he teaches. Another point to be gained by the appointment of additional professors is to assure opportunity for that productive scholarship which has ever characterized the Wesleyan faculty.

LIBRARY.—With 88,000 volumes, the library is seriously cramped in its present building, and the work of both the staff and the students is done at a disadvantage. A new building is one of the necessities of the immediate future. Though the library endowment has grown to \$100,000, it is still insufficient to provide for what should be normal growth. There should be, therefore, a considerable increase in the endowment to provide for purchases of books, and a further sum to

provide for maintenance, including the salaries of the librarian and an adequate number of assistants.

In a few departments the library collections are so inadequate that there is crying need for liberal special gifts to bring these departments up to standard. Biography, both literary and historical; history, especially European; political science; geography; travel; and works of contemporary and general interest deserve special attention, for they benefit not one, but several of the departments of instruction.

BUILDINGS.—While the most serious need of the University is increased endowment, there are some pressing material needs besides a new library building. There should be increased and improved facilities for the departments of mathematics, chemistry, and biology. The museum should be so located that its extensive and valuable collections will be exposed to a minimum risk from fire. A swimming pool should be provided and other improvements made in the gymnasium. A college union, somewhat similar to those at Harvard, Pennsylvania, and Brown, would contribute greatly to the promotion of a healthy social life among the undergraduates. The anticipated increase in the student body can be accommodated only by the erection of another modern dormitory.

ASTRONOMICAL OBSERVATORY.—At a cost of \$8,000 a plot of ground north of the Foss property has been acquired as the site for the new astronomical observatory. The funds given by Professor Van Vleck and his brother for the erection of an observatory now amount to \$48,906.40. The building will probably be erected within a year or two.

ALUMNI COUNCIL.—In connection with the campaign for adding a million dollars to the endowment, a plan, which has been in contemplation for several years, has finally taken form in the organization of an alumni council. In general, "the object of the council is to advance the interest, influence, and efficiency of Wesleyan University; to strengthen the relations between the alumni and the University . . . to provide funds, as far as possible, for the maintenance and endowment of the University from its alumni and friends."

The organization can serve effectively by keeping the alumni regularly informed and constantly interested in the University, by systematic coöperation in the raising of funds and in the securing of new students, and not least effectively by a spirit of loyal support of the trustees and faculty in the effort to maintain at Wesleyan the highest standards of

collegiate education. In these ways the alumni can do much to give the University the desired enrolment of five hundred men and make it the best small college in the country.

IMPROVEMENT OF SCHOLARSHIP.—A committee of the faculty was appointed in June, 1909, to consider the possibility of improving student scholarship. The 1911 edition of the *Regulations* governing students contains numerous minor, and several important, changes which are directly or indirectly the result of the work of this committee. These new regulations are described on another page. The changes have been accompanied by the modifications of the entrance requirements described in the *Bulletin* for December, 1910. The adoption of these rules and requirements assures to Wesleyan its position in the small group of colleges which maintain the highest standards of scholarship.

The principle underlying these rules is that the student should not be content with a passing grade, or even a fair grade, but that he should be stimulated to do his best and to attain honor grades as far as possible. A degree from Wesleyan should imply not merely compliance with a quantitative standard of work, but should connote also a high quality of scholarly attainment.

NON-RESIDENT LECTURERS.—Visiting lecturers, preachers, and other speakers are a valuable supplement to the regular college faculty, for they bring the points of view of other institutions and of other conditions of life, and they give to both faculty and students fresh stimulus and enthusiasm in their regular work.

Sunday vesper services, with addresses usually by a visiting clergyman, were established the first year of President Shanklin's administration. This year, President Shanklin is instituting a series of addresses to be given from time to time by well-known laymen at informal gatherings of the college body in the various fraternity houses. The first two of these speakers were Mr. Irving Bacheller, the novelist, and Honorable Leslie M. Shaw, ex-secretary of the treasury.

No suitable provision has yet been made for non-resident lecturers on academic topics. For several years a few members of the faculty have, at their own charge, arranged for a number of lectures each year by inviting friends who would consent to come for a fee which would cover their expenses. This condition is not creditable to the University, for it should not allow a member of the faculty to bear such an expense, and it should not take the lecturer's services without fair compensation.

A fund yielding one thousand dollars a year would suffice to pay travelling expenses and a reasonable fee to at least a dozen lecturers

each year. Each year there could readily be brought to Wesleyan a number of famous scholars, from abroad and from distant parts of the country, who are filling lecture engagements in New York and Boston, New Haven and Hartford. Now these opportunities pass unused for the lack of a small fund for the payment of non-resident lecturers.

REVISION OF THE BY-LAWS.—At the annual meeting in June, the board of trustees adopted a revised set of by-laws and regulations for the election of trustees by the alumni. The most important changes relate to the executive committee and the committee on honorary degrees. Hereafter the executive committee will hold stated meetings in Middletown in addition to the meetings of the board.

NEFF COLLECTION.—The most important addition to the museum in recent years is the collection of nearly 12,000 specimens bequeathed by the late Charles H. Neff of Portland, Connecticut. The collection is especially rich in articles illustrating the archæology, history, and natural history of Connecticut.

FOSS HOUSE.—The work of rebuilding the burned portion of the Foss House, and of making some extensions and improvements, is going rapidly forward, and will be completed by the end of December. The loss from the fire was practically covered by insurance.

ALUMNI RECORD.—The new edition of the *Alumni Record*, published last June, has received unstinted praise from those who have examined it. These compliments are justly bestowed upon Professor Nicolson for the months of tedious and painstaking work which he put into the preparation of this interesting and valuable record. While the volume has had a good sale, there are many alumni who have not yet subscribed for this book which has been prepared for their use. Orders should be addressed to Professor Nicolson.

ABSENCES ON SABBATICAL LEAVE.—Professors Rice and Armstrong have received leave of absence for the present year and will go to Europe early in January. Professor Rice is spending the autumn months in pursuing researches in Boston and Washington, while Professor Armstrong is remaining at the University in order to give the introductory course in logic.

PROFESSOR VAN VLECK.—Every alumnus of the University will be glad to learn that the health of Professor Van Vleck, which was poor during the spring and summer, has been much better this autumn.

HUBBARD BEQUEST.—By the will of the late Walter Hubbard of Meriden, a native of Middletown, the University will receive forty thousand dollars for the endowment of scholarships. This is the largest gift yet received by the University for this purpose, and will increase the scholarship endowment funds to over \$110,000.

COMMUNICATION

In the special *Bulletin* for June, 1911 (No. 49), page 18, lines 3-11, some general statements were made regarding the pecuniary support which Professor Atwater received from various sources in aid of his famous researches in nutrition, and regarding the disposition which was made of his elaborate apparatus when these researches here came to an end after his death.

I have recently had some conference with reference to these matters with Mr. R. D. Milner, formerly connected with the investigations named, and now resident in Washington, D. C., and am convinced that the following points, partly supplementary and partly by way of correction, ought to be made clear in view of the various interests involved.

1. That the investigations which were made with funds from the United States Government, and those which were made at the expense of the Carnegie Institution were kept separate and distinct, though carried out with the same equipment, by the same individuals, and in the same laboratory. The work was not coöperative, as between the Government and the Carnegie Institution.

2. Until the very end of the work here, the Government contributed the larger amounts for its support.

3. At the end of the work, after the death of Professor Atwater, all apparatus purchased or constructed at Government expense was taken to Washington for further use there. This was far the larger portion of the total equipment.

I am greatly indebted to Mr. Milner for calling my attention to these matters, and regret that the original form of statement was inexact.

W. P. BRADLEY.

TRUSTEE MEETING

The annual meeting of the board of trustees was held in Middletown beginning Monday evening, June 19, 1911, and concluding on the morning of Tuesday, June 20. W. V. Kelley was chosen president *pro tem.* and W. U. Pearne secretary *pro tem.*

The conferring of the degree of B. A., *nunc pro tunc*, upon the following veterans of the Civil War was authorized: Henry Bascom Brown, Benjamin Hicks Cheney, Brigadier-General Samuel Mather Mansfield, non-graduates of the class of 1859, and Samuel Proal Hatfield, non-graduate of the class of 1862.

For fifty shares of stock of the Scruggs-Vandervoort-Barney Dry Goods Company, standing in the name of the deceased president of the board, a new certificate was authorized, to stand in the name of Wesleyan University, and C. D. Burdick, Treasurer, was authorized to endorse it.

The following appointments to the faculty were made:

Reverend Charles Macaulay Stuart, A. M., B. D., D. D., Litt. D., LL. D., Waite Professor of Ethics and Biblical Literature.

For one year: Doctor David Day Whitney, Associate Professor of Zoölogy and Acting Curator of the Museum; Doctor Fred Harvey Heath, Instructor in Chemistry; Albert Mann, Jr., Instructor in Romance Languages; George Wiley Sherburn, Instructor in English; Robert Reed Stevens, Assistant in Chemistry; Ralph Maynard Holmes, Assistant in Physics; Harold Putnam Frost, Assistant in Physics.

For one additional year: Doctor Leroy Albert Howland, Associate Professor of Mathematics; Burton Howard Camp, Associate Professor of Mathematics; John Wesley Wetzel, Instructor in Public Speaking; Doctor Raemer Rex Renshaw, Instructor in Chemistry; Doctor Paul Holroyd Curts, Instructor in German; Louis Bliss Gillet, Instructor in English; Walter Ransom Barrows, Instructor in Physical Geography.

The following appointments were also made for one year: Edith Leona Eastman, Assistant Librarian; Floyd Emerson Logee, General Secretary of the Young Men's Christian Association.

The sum of \$200 was appropriated for the American School at Athens.

The sum of \$10,000 was appropriated for free tuition, to be dispensed by the President of the University.

The following resolution was adopted: "Resolved, that this board hereby place upon its record this minute of its hearty appreciation of the painstaking labors of Professor Frank W. Nicolson in preparing and publishing a new and complete edition of 'The Alumni Record of Wesleyan University,' and extend to him its thanks for his most satisfactory achievement of a splendid success."

The new by-laws were taken up, discussed, amended, and, with the regulations for election of trustees by alumni, adopted.

The following officers of the board were elected: J. C. Clark, Vice-President; D. G. Downey, Secretary; C. D. Burdick, Treasurer.

The following resolution was adopted: "That, in view of the successful services of the President of the University and the special committee on endowment during this past year, this board desires to express its appreciation of their services."

Honorable Frank Bentley Weeks, was elected trustee to fill the vacancy caused by the resignation of D. W. Northrop, term to expire October 1, 1911. The following were then elected trustees for a period of five years from October 1, 1911, to succeed themselves: C. B. Rogers, J. E. Andrus, Charles Gibson, C. D. Burdick, W. I. Haven, A. E. Sutherland, F. B. Weeks. Amos Jay Givens, M. D., of Stamford, Connecticut, was elected trustee in place of S. W. Bowne, deceased, for the unexpired term ending October 1, 1912.

The President of the University was authorized to confer the degree of Doctor of Laws upon Honorable Watson Carvosso Squire, '59.

Certain regulations adopted by the faculty, to go into force next year, were approved.

The following memorial on the death of the late President of the board, H. C. M. Ingraham, was unanimously adopted and ordered to be inscribed upon the records and a copy sent to Mrs. Ingraham:

Henry Cruise Murphy Ingraham came of a worthy ancestry and was born into a family of brothers and sisters who inherited the same general traits and were able, though perhaps unwittingly, to assist in forming his character. As his brothers had come to Wesleyan University, he followed them, and was graduated in the class of 1864.

There were no irregularities in his youth to be remembered in sorrow, or disabilities to render his career uncertain or feeble. But the strong forces of his nature were so controlled and regulated that, in every good word and work, his entire strength was available.

While in college, without seeking it, he acquired great influence. His fellow students—especially those of his own class—found in him an unconscious leader and pattern. They testified to this before as well as after his lamented decease. The faculty also consulted him on various questions, usually beyond the interest or wisdom of undergraduates.

Two of his brothers having chosen the law as their life-work, having similar tastes, he followed them into the same onerous, but ever interesting profession.

His mental faculties and inclinations coalescing, he succeeded from the beginning; and his moral qualities inspiring confidence in all with whom he mingled, he became noted as a safe guide, a secular confessor and representative.

He might have been this without the almost invisible qualities which make a gentleman; but this he was to perfection. And he might have

Endowments of prizes - - - - -	\$8,334 65
Endowments of scholarships - - - - -	69,307 73
Apparatus funds - - - - -	10,104 38
Annuity funds - - - - -	20,000 00
Astronomical Observatory fund - - - - -	48,906 40
Wesleyan hospital fund - - - - -	5,232 42
Balances of special funds - - - - -	2,756 86
Bills payable, loans on account of income - - -	39,000 00
	\$2,760,578 50

RECEIPTS EXCLUSIVE OF INCOME

Investments terminated - - - - -	\$132,800 00
Alumni endowment fund, gifts - - - - -	2,874 50
Other gifts for general endowment - - - - -	5,766 65
Montgomery scholarship, gift - - - - -	1,000 00
Astronomical Observatory fund, gift - - - - -	1,000 00
Alumni library fund, gift - - - - -	15 00
Gona library fund, gift - - - - -	150 00
Walkley prize fund, gift - - - - -	20 00
Incidentals - - - - -	24 32
Undergraduate building fund for North College, gifts -	1,167 85
Increase in sundry funds from income - - - - -	5,061 86
Demand notes - - - - -	25,000 00
	\$174,880 18

PAYMENTS EXCLUSIVE OF CURRENT EXPENSES

New investments - - - - -	\$145,050 00
North College - - - - -	324 10
Transfer tax on legacy - - - - -	250 00
Incidentals - - - - -	20 32
Astronomical Observatory fund, purchase of land - -	8,000 00
Demand notes repaid - - - - -	25,000 00
	\$178,644 42

RECEIPTS FOR INCOME

Tuition (excluding \$11,965.00 remitted) - - - - -	\$15,357 50
Rents, laboratory and other fees from students - -	26,165 62
College dining hall - - - - -	8,479 41
Women's dormitory - - - - -	152 45
Sundries - - - - -	1,643 60
Gifts for income account, special - - - - -	1,850 20
Gifts for income account, general - - - - -	20,846 98

Income from general endowment (including Trafton and Ayres funds) - - - - -	\$34,280 39
Income from presidency and professorship funds - -	39,554 44
Income from library endowments - - - - -	4,184 30
Income from Fayerweather Gymnasium fund - - -	1,278 50
Income from prize endowments - - - - -	332 00
Income from scholarship endowments - - - - -	2,978 54
Income from Crawford Memorial fund - - - - -	300 00
Income from Wesleyan hospital fund - - - - -	259 55
From Carnegie Foundation - - - - -	3,075 00
Income from annuity funds - - - - -	4,762 50
	\$156,500 98

PAYMENTS FOR CURRENT EXPENSES

Maintenance and care of buildings and grounds - -	\$31,465 47
Administrative expenses and incidentals - - - -	11,961 18
College dining hall - - - - -	9,113 92
Women's dormitory - - - - -	245 30
Salaries - - - - -	71,393 32
Library, book purchases only - - - - -	4,500 58
Gymnasium (including salary of director) - - - -	2,076 30
Prizes, endowed - - - - -	332 00
Prizes, unendowed - - - - -	335 00
Scholarships - - - - -	2,978 54
Annuities - - - - -	4,762 50
Appropriations to departments, laboratories, library, and museum - - - - -	9,086 11
American School at Athens - - - - -	200 00
Retiring allowances - - - - -	3,575 00
Wesleyan hospital fund - - - - -	207 62
Interest paid on loans and advanced on investments -	2,002 10
	\$154,234 94

COMPARATIVE SUMMARY OF PROPERTY

	1910	1911
University grounds, buildings, and contents	\$1,080,466 83	\$1,081,786 93
Investments - - - - -	1,548,535 03	1,566,535 03
Cash - - - - -	24,684 21	23,186 01
Balance due from income account - -	91,486 03	89,070 53
	\$2,745,172 10	\$2,760,578 50

Subscriptions to meet current expenses have been made as follows:

1906-07	-	-	-	-	-	-	-	-	-	\$12,519 11
1907-08	-	-	-	-	-	-	-	-	-	5,339 55
1908-09	-	-	-	-	-	-	-	-	-	2,662 76
1909-10	-	-	-	-	-	-	-	-	-	847 34
1910-11	-	-	-	-	-	-	-	-	-	20,846 98

RECENT GIFTS

Since the publication of the last *Bulletin* the new endowment fund has been increased by the following gifts: \$5,000 from Mrs. Stephen H. Olin, to be added to the Olin Professorship fund; \$2,500 from Mrs. Mary C. Holman and Mrs. Lillie G. Smith for the Lewis Gunn Scholarship fund in memory of their father, Reverend Lewis Gunn, who was born in Washington, Connecticut, in 1806 and died in 1875, and who, in the beginning of his ministry, gave a large part of his salary toward the founding of a minister's scholarship in Wesleyan University; \$250 from Francis T. Garrettson, '47. The general endowment has been increased by \$6,000 received from the estate of Mrs. Harriet W. Wilcox, and by \$416.65 received on account of the Bowne legacy.

W. R. Walkley, '60, has added \$20 to the principal of the Walkley Prize Fund and Reverend W. R. Breed, '87, has given \$15 to the Alumni Library fund.

Various members of the board of trustees have made payments aggregating \$14,150 on account of their subscriptions toward the deficit of 1910-11. The Wesleyan University Alumni Athletic Association has paid \$135 on account of the salary of the director of the gymnasium. Reverend D. G. Downey, '84, has given \$25 for tuition.

Since July 1st, 1911, additional payments of \$235.60 have been received for the undergraduate building fund for North College; and further payments to the alumni endowment fund have been made amounting to \$339.54.

Under the will of the late Walter Hubbard of Meriden, Connecticut, the University benefits to the amount of \$40,000. This generous gift is to constitute a scholarship fund, the income to be employed in aiding needy and worthy students. The late Mrs. Elizabeth F. Vanderveer of Brooklyn, New York, left a legacy of \$1,000 to the University.

ANNUAL MEETING OF THE ALUMNI ASSOCIATION

The annual meeting of the Alumni Association was called to order at 10:20 A. M., Tuesday, June 20, 1911. The following resolution was adopted:

"Whereas, the Army and Navy Union of Wesleyan University has held a reunion of the veterans of the University during this Commencement, which is the fiftieth anniversary of the enlistment of Wesleyan men for service in the Civil War; therefore, be it resolved that the general Alumni Association express their congratulations to these honored veterans, and also be it resolved that a vote of thanks be extended to G. C. Round, '66, of Manassas, Virginia, for his devotion in arranging this reunion."

W. D. Leonard, '78, reported from the trustees a plan for an alumni council, based on the Princeton plan. The plan was read in full, discussed, and adopted.

The following officers were elected for the ensuing year: *President*, G. C. Round, '66; *First Vice-President*, C. F. Rice, '72; *Second Vice-President*, J. A. Cole, '87; *Third Vice-President*, G. W. Davison, '92; *Recording Secretary*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, W. E. Fairbank, '93; *Executive Committee*, M. B. Crawford, '74; M. E. Culver, '75; J. F. Calef, '77; E. G. Derby, '83; A. F. Goodrich, '99. As alumni trustees G. G. Reynolds, '41, and G. D. Beattys, '85, were elected for five years from October 1, 1911.

ALUMNI ATHLETIC ASSOCIATION

The annual meeting of the Alumni Athletic Association was held in Memorial Chapel, Tuesday, June 20, 1911, at 11:45 A. M., and was called to order by S. V. Coffin, '89.

The following officers were elected: *President*, A. F. Goodrich, '99; *Vice-President*, W. B. Day, '91; *Secretary-Treasurer*, H. B. Shonk, '03, 2 Rector Street, New York City.

L. E. Gordon, '94, was reelected a member of the athletic council for three years.

The treasurer's report showed that the association was in good financial condition, having a surplus of about \$160 and enrolling 320 members. The report also stated that L. F. Vorhis had been engaged as football coach for the season of 1911.

The alumni representatives on the athletic council for 1911-12 are S. V. Coffin, '89 (*President*), term to expire July 1, 1912; C. H. Garrison, '04, term to expire July 1, 1913; L. E. Gordon, '94, term to expire July 1, 1914.

ALUMNI RECORD

The new Alumni Record, edited by Professor Nicolson, appeared last June. This Record contrasts favorably with that of any other institution, particularly in the fulness of the personal records, which, in this volume, state the fraternity relations and give a list of the children of the alumni. It lacks the statistical information found in the former edition, but this will appear later in the form of special articles. In the mass of commendatory comment which has been received from alumni and others, especial emphasis is laid upon the completeness of the book and the painstaking care with which it has been edited. Some of these comments may be quoted in part: "It is vastly superior to its predecessors and is a model of condensation." "I am well pleased with its easy reference to names." "The Record is one of the greatest goads to awaken any of us who may incline to go to sleep professionally." "I consider it invaluable." "I feel infinitely more than repaid for its price."

Of the 2,800 living alumni of Wesleyan, only about 700 have as yet sent their subscriptions to Professor Nicolson. The book is deserving of a much larger subscription list.

ALUMNI NOTES

WASHINGTON ALUMNI BANQUET.—Few Wesleyan alumni do not cherish the intention of visiting, at some time, the national capital. A plan has been launched by Mr. G. C. Round, '66, president of the Alumni Association, to induce a large number of these to assemble in Washington on Saturday, March 2, 1912, and make this year's banquet of the Wesleyan Alumni Association of Washington a gathering of the alumni, not only of Washington and vicinity, but of the whole country. He hopes to arrange for those present a meeting with President Taft. This, combined with the other attractions of the place, and the prospect of meeting a large number of Wesleyan alumni, should ensure a large attendance. Further information may be secured from the chairman of the committee of arrangements, Mr. O. S. Smith, '87, 1631 Sixteenth Street, N. W., Washington, or from Mr. G. C. Round, Manassas, Virginia.

CLASS OF 1862.—The class of 1862 has unanimously determined to inaugurate the custom of holding a class breakfast once in fifty years, and will hold its first on Tuesday morning of next commencement week. The officers of the class are J. E. Andrus, president, and G. C. Round, Manassas, Virginia, secretary.

ALUMNI COUNCIL

It was announced in the June *Bulletin* that an alumni committee had been appointed to consider plans for organizing the alumni of Wesleyan in a manner similar to that in use at Princeton. The committee, established by the board of trustees, reported to the June meeting of the Alumni Association, and, with slight changes, the constitution of the Princeton graduate council was adopted. It is planned to organize Wesleyan alumni all over the country into a compact working body, and every alumnus will be expected actively to identify himself with the association. With the support given by the board of trustees, the finance committee will find it possible to finance the organization until it is able to support itself.

On October 14, at the Alpha Delta Phi house, the council held its first meeting, at which the organization was practically completed. A permanent secretary has not yet been chosen, but in the meantime the work of the council will be carried on by the several committees, with the assistance of the temporary secretary, G. I. Bodine, Jr., '06, 129 South Fourth Street, Philadelphia. President Shanklin, who was present as a guest, was much pleased with the spirit of earnestness and enthusiasm which characterized this first meeting.

As an experiment in extending aid to undergraduate activities, the temporary secretary of the council will coöperate with the manager of the musical clubs in the arrangement of the schedule for this year. Correspondence has been solicited from undergraduates, alumni, faculty, etc., relative to possible or desirable improvements in any matter relating to the University, and already at the first meeting enough communications had been received to indicate that there would be no dearth of problems. It is planned to institute a central bureau of information concerning activities of all the alumni associations. It is hoped that each association, before deciding on a date for a smoker or a banquet, will communicate with the temporary secretary, to find out whether the proposed date will conflict with the activities of any other association.

The constitution is herewith printed in full, together with a list of the members of the council, its officers, and the chairmen of its committees.

CONSTITUTION OF THE ALUMNI COUNCIL OF WESLEYAN UNIVERSITY

ARTICLE I. NAME AND OBJECT

The name of this organization is the Alumni Council of Wesleyan University.

The object of the Council is to advance the interest, influence, and efficiency of Wesleyan University; to strengthen the relations between

the alumni and the University; to encourage sufficient class organization; to keep the public informed in regard to the University; to keep before the various preparatory schools of the country the advantages of Wesleyan University as an educational institution; to aid and assist in the establishment of alumni associations and promote their interests; to keep in touch with undergraduate activities; to provide funds, as far as possible, for the maintenance and endowment of the University from its alumni and friends; to report from time to time to the board of trustees of the University any facts and recommendations by the Council deemed material or for the interests of the University; to act as a medium that may make known the ideas of the alumni to the University, and the wishes of the University to the alumni; and to act in an advisory capacity through its secretary to such of the undergraduates as may desire to consult it in reference to their occupations after graduation and for that purpose to keep in as close a touch as possible with the demands of the country's professional, business, and industrial needs.

ARTICLE II. MEMBERSHIP

1. The Alumni Council shall be composed of the secretaries, *ex-officio*, of the thirty-five classes last graduated and of five members at large elected by the Council. The present committee shall constitute the first Alumni Council.

2. The secretary of each class on graduation shall become *ex-officio* a member of the Alumni Council to serve five years.

3. Of the thirty-five class representatives, one shall be named annually at Commencement by each of the classes then having been graduated 5, 10, 15, 20, 25, 30 years to serve for the term of five years. Of the five members at large, one shall be elected by the Council annually at Commencement to serve for the term of five years. The Secretary of the Alumni Council shall, on Tuesday of each commencement week, notify the class representative who shall have been graduated thirty-five years that he has been, under the providence of the above section, automatically dropped from membership in the Council.

4. At the stated meeting of the Alumni Council, in October of each year, one member at large shall be elected by ballot to serve five years.

5. Vacancies, whether caused by death, resignation, failure of a class to certify to the election of a representative, or otherwise, shall be filled by ballot at any stated meeting of the Alumni Council.

6. No member of the board of trustees or of the faculty of Wesleyan University shall be a member of the Alumni Council.

ARTICLE III. OFFICERS

1. The officers shall be a chairman and a secretary who shall be elected by the Council at the stated meeting in October of each year. The secretary of the Council shall also act as secretary of each of the committees provided for in the charter or otherwise appointed.

2. The chairman shall preside at all the meetings of the Council. In his absence, the Council may elect its presiding officer.

3. The secretary shall keep the records of the Council and give notice of their meetings. He shall send to each member, within one week after the stated meetings, condensed copies of the minutes; he shall keep the books, papers, documents, etc., of the Council and act as secretary for such committees as are hereinafter provided for or may be appointed from time to time; he shall notify the secretary of each graduating class who has become automatically a member of the Council of his election; and he shall notify the secretary of each class, thirty days before the class shall hold its fifth, tenth, fifteenth, twentieth, twenty-fifth, and thirtieth reunion that he shall certify to the secretary of the Council on or before 10 A. M. on Tuesday of Commencement week, the name of the member of the class who shall perform such duties as are generally allotted to the position of secretary.

ARTICLE IV. MEETINGS

1. There shall be two stated meetings of the Council each year, to be held in Middletown, Connecticut. One in the afternoon or on Saturday evening succeeding fraternity initiation in October, and one in February, to be held in conjunction with the festivities incident to Washington's birthday; the hour and place to be left for the secretary to determine for each meeting. A special meeting may be called at any time by the chairman or by a majority of the executive committee, but notice of such special meetings and of all stated meetings must be mailed to each member at least two weeks in advance. In the case of special meetings, the secretary shall specify the object or objects for which the meeting is called, and no business shall be transacted at such special meeting other than that specified in the notification of the meeting.

2. At all stated and special meetings, fifteen members shall constitute a quorum.

ARTICLE V. EXECUTIVE COMMITTEE

There shall be an executive committee composed of the officers of the Alumni Council and the chairmen of the standing committees which shall have all the powers of the Council when the Council is not in

session. The chairman of the Council shall be the chairman of the executive committee. At each stated meeting of the Alumni Council, the executive committee shall make a report upon the work of the several committees and, as soon thereafter as may be convenient, shall prepare and publish a statement for the information of the alumni.

ARTICLE VI. STANDING COMMITTEES

1. There shall be six standing committees; each committee shall elect its own chairman as follows:

A Committee on Finance. It shall be the duty of this committee to coöperate with the authorities of the University as to the raising of money, and to lay before the several classes or alumni organizations desiring to contribute to the University, the several purposes for which funds are needed, and to report to the Alumni Council for transmission to the board of trustees information as to what specific purposes the said organization desire their contributions to be devoted, and in what manner credit shall be given therefor; and to perform such other duties as may be delegated to them from time to time by the Alumni Council.

A Committee on Class Records and Organization. It shall be the duty of this committee to encourage efficient class organization and to coöperate with the secretary of the alumni in the preparation of the alumni directories.

A Committee on Publicity. It shall be the duty of this committee, in coöperation with the secretary of the faculty, to communicate to the public such information regarding University affairs as may be of general interest.

A Committee on Preparatory Schools. It shall be the duty of this committee, in coöperation with the University authorities and undergraduate organizations, to secure information with regard to the sources from which the University is drawing its students.

A Committee on Alumni Associations. It shall be the duty of this committee to secure information regarding the character of the work undertaken by the alumni associations and to increase and to improve the same for the best interests of the University.

A Committee on Undergraduate Activities. It shall be the duty of this committee to obtain information regarding the athletic, literary, musical, and other interests of the undergraduates, and from time to time make suggestions concerning the conduct of such of the same as affect the alumni or bring the University before the general public.

2. The Council may appoint such other committees as may from time to time be advisable and may adopt by-laws or rules and regulations for the more ready transaction of its business.

3. The chairman of each committee at the stated meetings shall present a written report of what his committee has accomplished since the previous stated meeting, and give the same to the secretary to be filed with the minutes of the meeting.

4. The standing committees shall be appointed by the chairman at the October meeting in each year to serve for one year and until their successors shall be appointed. Vacancies in the committees may be filled at any time by appointment of the chairman. Every member of the Alumni Council shall be expected to serve on at least one committee.

ARTICLE VII. RESIGNATIONS

1. A member may resign in writing addressed to the secretary, but his resignation shall not be acted upon until the first stated meeting after his resignation has been received by the secretary.

ARTICLE VIII. ORDER OF BUSINESS

1. A typewritten docket shall be placed before the chairman by the secretary at each stated meeting; the general schedule shall be as follows:

1. Calling the meeting to order and calling roll.
2. Reading, correction, and approval of minutes of previous meeting.
3. Secretary's report; to include notification of members automatically dropped and those automatically elected; those certified as class representatives by class secretaries; vacancies, whether by death, resignation, failure of class to certify to election of a representative.
4. Report of chairman.
5. Report of chairman of executive committee.
6. Report of chairman of committee on finance.
7. Report of chairman of committee on class records and organization.
8. Report of chairman of committee on publicity.
9. Report of chairman of committee on preparatory schools.

10. Report of chairman of committee on alumni associations.
11. Report of chairman of committee on undergraduate activities.
12. Reports of special committees.
13. Balloting for one member at large to serve five years.
14. Election of chairman for ensuing year.
15. Election of secretary for ensuing year.
16. Miscellaneous business before the Council.

} *At October
meeting
only.*

OFFICERS AND CHAIRMEN OF COMMITTEES

Chairman, E. A. Wilkie; *Temporary Secretary*, G. I. Bodine, Jr.

The following are the chairmen of the various committees: *Executive Committee*, E. A. Wilkie; *Committee on Finance*, A. B. Carrington; *Committee on Class Records and Organization*, C. P. Tinker; *Committee on Publicity*, K. M. Goode; *Committee on Preparatory Schools*, C. H. Raymond; *Committee on Alumni Associations*, E. W. Thomson; *Committee on Undergraduate Activities*, A. K. Dearborn; *Special Committee to find and appoint Permanent Secretary*, E. A. Wilkie.

MEMBERS OF THE ALUMNI COUNCIL

The members of the Alumni Council are as follows:

Representatives of classes: C. H. Raymond, '77; W. E. Schofield, '78; L. F. Bower, '79; A. W. Harris, '80; W. A. Jones, '81; F. K. Hallock, '82; J. A. Develin, '83; G. M. LaMonte, '84; J. S. Judd, '85; G. A. Rich, '86; E. S. Ninde, '87; W. M. Cassidy, '88; C. P. Tinker, '89; L. G. Westgate, '90; G. L. Plimpton, '91; J. S. Pullman, '92; G. H. Blakeslee, '93; F. W. Frost, '94; F. L. Kurt, '95; I. E. Manchester, '96; F. R. North, '97; E. W. Thompson, '98; A. F. Goodrich, '99; C. E. Johnston, '00; R. H. Jones, '01; R. A. Anderson, '02; H. B. Shonk, '03; L. D. Day, '04; A. R. Bishop, '05; A. K. Dearborn, '06; O. F. McCormick, '07; G. G. Douglass, '08; H. S. Griffing, '09; H. B. Merritt, '10; L. A. Maynard, '11.

Members at large: A. B. Carrington, '76; E. A. Wilkie, '76; W. D. Leonard, '78; V. B. Swett, '96; K. M. Goode, '04.

Temporary Secretary: G. I. Bodine, Jr., '06, 129 South Fourth Street, Philadelphia, Pennsylvania.

APPOINTMENTS TO THE FACULTY

EDGAR FAUVER, elected Associate Professor of Physical Education, was awarded the degree of B. A. at Oberlin College in 1899, and M. D. at Columbia University in 1909. He studied in the summer schools of physical education at Harvard University in 1903, and at Columbia University in 1904. Doctor Fauver has held the following positions: coach of athletic teams and director of gymnasium, Center College, Kentucky, 1899-1900; tutor in Greek, Oberlin Academy; coach of athletic teams and assistant instructor in gymnastics, Oberlin College, 1900-03; instructor in physical education, Horace Mann School, and lecturer in the history of physical education, Teachers College, Columbia University Summer School, 1906; instructor in physical education, New York Institution for the Blind, East Side Settlement House and Young People's Italian Settlement, New York City, 1907-09; lecturer in physical education, Teachers College, Columbia University, 1909-10; assistant professor of physical education, Columbia University, 1910-11. He is a member of the American Physical Education Association, the Society of Sanitary and Moral Prophylaxis, and the Physical Education Society of New York. He was the secretary and treasurer of the latter society for 1911.

JOHN HAMILTON BLAIR, elected Instructor in Economics and History, was graduated from Cornell University in 1901 with the degree of B. A. and was awarded the degree of M. A. in 1902. He studied at Leipsic in 1903, at Harvard in 1904 and 1905, and received the degree of Ph. D. from the latter institution in 1908. Doctor Blair was instructor in history at Stanford University in 1908-09; professor of history at Toledo University in 1909-10, and acting instructor in history and political economy in the University of Rochester during the winter and spring terms of 1911.

FRED HARVEY HEATH, elected Instructor in Chemistry, was graduated from New Hampshire State College in 1905, with the degree of B. S. From 1906 to 1909 he was assistant in chemistry at Yale, where he received the degree of Ph. D. in 1909. In 1909-10 he was instructor in physical chemistry at Massachusetts Institute of Technology, and in 1910-11, instructor in general chemistry and qualitative analysis at Case School of Applied Science. Doctor Heath is a member of the American Chemical Society; of the chemical fraternity, Alpha Chi Sigma; and of Sigma Xi. He has published:

The Iodometric Determination of Copper, *American Journal of Science*, v. 24, pp. 65 ff., January, 1907 (with F. A. Gooch).

The Iodometric Determination of Arsenic and Antimony associated with Copper, *American Journal of Science*, v. 25, pp. 513-19, June, 1908.

Both these articles have been reprinted in German in *Zeitschrift für Anorganische Chemie*, v. 55, pp. 119-129, June, 1907, and v. 59, pp. 87-93, July, 1908.

ALBERT MANN, JR., elected Instructor in Romance Languages, was graduated from Wesleyan University in 1906, with the degree of B. A. During the year of 1906-07 he was master in French at the Hotchkiss School, and in 1907-08 was master in French and German at the Boston Country School. From 1908 to 1911 he pursued graduate work and research in romance languages at Harvard University. He received the degree of M. A. from Harvard in 1909.

GEORGE WILEY SHERBURN, elected Instructor in English, was awarded the degrees of B. A. and M. A. from Wesleyan in 1906 and 1909 respectively. He was instructor in English language at Northwestern University, 1906-10; instructor in English literature at Beloit College, 1910-11; and instructor in English at the University of Chicago during the summer quarter of 1911.

HAROLD PUTNAM FROST, elected Assistant in Physics, was graduated from Wesleyan in 1911 with the degree of B. A.

RALPH MAYNARD HOLMES, elected Assistant in Physics, was graduated from the University of Maine in 1911, with the degree of B. A. During his senior year he was laboratory assistant in physics.

ROBERT REED STEVENS, elected Assistant in Chemistry, was graduated from the course in chemistry at the Worcester Polytechnic Institute in 1911, with the degree of B. S. For his degree he presented a thesis on "A Study of Myrcen."

DEPARTMENT NOTES

LATIN.—In addition to the photographs recently purchased abroad, several old prints illustrating interesting stages in the ruin of ancient classical structures have been placed on the walls of the Latin classroom.

GREEK.—Course IV (history of Greek literature) has been made a two-hour course for the year and may be elected by those who have not studied the Greek language. The course is designed partly to meet

the needs of students of English and other literatures who desire an acquaintance with the principal and most influential works of Greek literature.

GERMAN.—The German Department has received by gift several large pictures illustrating German life and literature. These have been framed and hung in one of the recitation rooms in Fisk Hall.

Through the courtesy of the R. D. Cortina Company of New York, an Edison phonograph with thirty records illustrating the Cortina system of instruction in German has been installed in the Modern Language Seminary in Fisk Hall. The apparatus has been made accessible to all advanced classes in German, who have thus an opportunity of observing the use of the phonograph in modern language study.

ENGLISH LITERATURE.—The course in English Literature I has been materially changed. Instead of devoting the first half-year to an outline of the history of the literature and the second half-year to careful reading of two or three masterpieces, the class continues the study of the history through the entire year, with frequent exercises in the reading of characteristic specimens of the literature. Every second or third exercise is given to these illustrative readings. The collateral reading hitherto required in this course has been dropped; but in place of it the student is required to write each semester two essays upon some important subjects drawn from English literary history.

ENGLISH LANGUAGE.—Discontinued for a period of years, Course VIII (Arthurian Romance) is again offered this year. The work in freshman English is divided between Mr. Gillet and Mr. Sherburn.

HISTORY.—Professor Dutcher has prepared a pamphlet of *Directions and Suggestions for the Writing of Essays or Theses in History* for the use of the advanced classes in the department. The publication is the result of ten years of experience in supervising the writing of history essays.

HISTORY AND ECONOMICS.—Because of the increased registration in these departments, it was found necessary in September to engage an instructor to assist in the conduct of certain classes, though it was impossible, at such a late date, to place him in full charge of any class. The instructor is Mr. John Hamilton Blair, Ph. D., a graduate of Cornell and Harvard, who has taught in Leland Stanford, Toledo, and Rochester universities.

MATHEMATICS.—The course in descriptive geometry and mechanical drawing, which has been given since 1908 by the department of physics, is given this year under the direction of the department of mathematics. Doctor Lamond has charge of the course.

PHYSICS.—A change in Course I for the current year consists in the introduction of a small amount of laboratory practice for the entire class. About once a fortnight the regular meeting of the class will be omitted, a two-hour laboratory period being substituted in its place.

Recent purchases include a spectroscope, costing about \$70, for the use of students, made by Adam Hilger of London.

A Fleming cymometer has been imported from the Marconi Wireless Telegraph Company. This is a direct-reading instrument for measuring frequencies, wave-lengths, and other constants of electric waves. It is intended for use both in instruction and experimentation.

CHEMISTRY.—A few minor changes have been made in the courses this year. Course XII (organic analysis), formerly given by Doctor Renshaw, is now combined with Course V (advanced quantitative analysis), and is taught by Doctor Heath. Those who desire this work elect the latter course for four periods a week. For others, it is one of three periods, as formerly. The laboratory course (XI) in organic chemistry and Course VII (physical chemistry), are now elective for three periods a week, instead of two. The total number of undergraduate periods now offered in the department amounts to thirty.

CRYOGENIC LABORATORY.—During the second semester of last year further progress was made in the study of the law which governs the cooling effect produced when air expands through a nozzle from a high pressure to a low one. The work of previous years had covered a range of temperature from the liquefying point of air,—191° C, upward to the ordinary temperature. To this has now been added the range from room temperature to 200° C. The problem is a fundamental one in air liquefiers of all types except that of Claude.

During the summer, a 20-horse-power electric motor from the General Electric Company has been installed in the cryogenic laboratory in place of the kerosene engine which has done such good service since the installation of the liquid air plant in 1902. Shafting has also been run through the partition into the carpenter shop, so that the same power is now used to drive the buzz saw, plane, and drill, with which the latter is equipped. The new motor is powerful enough to drive this machinery at the same time with the liquid air plant, whenever it is desirable to do so.

GEOLOGY.—On account of leave of absence granted to Professor Rice, the courses in geology are omitted the present year, except Course I (physical geography). That course will be given as last year, by Walter Ransom Barrows, A. B. It will come in the second half-year.

BIOLOGY.—The increasing number of students taking practical laboratory work has made it necessary to change the plan of Courses V, VI, and VII, which have been elected this year by nearly twice as many students as the laboratory will accommodate. The laboratory periods have been extended and the laboratory is open for work nearly all the time. Instructors are present to give assistance, however, only at certain specified periods. In the conduct of the course in hygiene, which is given two hours a week for the first half-year, Doctor Fauver is now associated with Professor Conn.

DEPARTMENT OF PHYSICAL EDUCATION

Doctor Edgar Fauver, of the newly established department of physical education, is enlarging the scope of the work heretofore done by Mr. Reiter and introducing several innovations.

PHYSICAL EXAMINATIONS.—As in previous years, freshmen and all participants in athletics are required to undergo a physical examination, but in the future emphasis will be placed upon the acquisition of information regarding the organic condition and health of the examinee rather than upon a multitude of measurements and strength tests. The examination is divided into four parts:

1. A brief history, designed to bring out the main facts in the previous health of the student. This will call attention to any abnormal tendencies and will assist in the interpretation of certain physical signs brought out in the subsequent examination.

2. The recording of a very few selected measurements.

3. A careful examination of the eyes both as to their power of vision and physical condition, ears, nose, throat, teeth, lungs, heart, and skin. This is regarded as the most important part of the examination and often brings to light certain conditions in which improvement is necessary, or at least advisable. The information thus gained is used as a basis of advice to the student.

4. General inspection to detect any physical deformities.

MEDICAL WORK.—The director keeps certain office hours for consultation with students, and is subject to call in case of necessity at any time. Many students are availing themselves of this opportunity and are receiving advice and treatment for various minor surgical conditions and for the various acute diseases, such as colds, digestive disturbances, tonsilitis, etc. The department does not expect to assume responsibility in any case for the graver surgical and medical conditions. It is hoped and believed, however, that through this department an earlier diagnosis of serious conditions may be made and the student be placed more promptly under suitable care.

GYMNASTICS.—Work in the gymnasium is required of freshmen and sophomores from Thanksgiving to the Easter vacation. The work will consist of marching and drills, with and without hand apparatus, followed by squad work upon fixed apparatus and games. In the drill work, emphasis will be placed upon a few exercises carefully chosen because of their corrective value rather than upon the combination of many movements which have little or no such value. In the apparatus work the exercises chosen will be those that all the students can execute.

ATHLETICS.—Dr. Fauver believes that athletics have a large and essential place in a system of physical education, and will make every effort to render it possible for all students to participate in them. While wishing to further 'varsity and intercollegiate athletics, he will devote his energy chiefly to the development of inter-class and inter-fraternity contests. If the plan which he has in mind can be worked out, each class will be represented by teams in tennis, basket-ball, baseball, track, and hand-ball, and each fraternity by teams in tennis, basket-ball, hand-ball, and baseball. This will require careful planning and apportionment of time and space on the athletic field and in the gymnasium. If such a plan can be carried out, nearly 600 places in athletic teams will be filled by the students, and every student will have an opportunity to take part in athletic contests.

IMPROVEMENTS.—The following pieces of apparatus have been added to the equipment of the gymnasium: One standard parallel bar which has appliances for quickly adjusting its height and width to the needs of the student, one swinging boom, one swing up vaulting bar, two climbing ropes, and two pairs of jump stands, all so arranged that they may be quickly removed from the floor, leaving it free for games and drills.

To meet, at least partially, the demand of the students for increased locker accommodation, fifty steel lockers have been added. Ten of these have been placed in a separate dressing room and reserved for the use of the faculty.

A floor is to be laid in what is now the baseball cage and the room divided by a temporary partition through the middle. This will provide for two full-sized squash courts and four hand-ball courts. The partition will be removed when the approach of the baseball season demands it, and the room will again serve as a baseball cage.

IMPROVEMENT OF SCHOLARSHIP

Soon after the Commencement of June, 1909, a committee of the faculty was appointed to consider ways and means of improving the scholarship of the students in the University. The deliberations of this committee have borne fruit in a series of regulations adopted by the faculty in the course of the past year, and incorporated in the 1911 edition of the *Regulations* of Wesleyan University. The most important of these may be quoted in full:

Voted, that a grade lower than fifth be assigned to the worst failures on examination, and that in case of such a failure no further examination be given, but that the student be required to take the course over, or, in case of an elective, to substitute another course.

Voted, as an additional requirement for graduation hereafter that, beginning with the class of 1915, all students must make sixty per cent. of their grades above four. Also that members of the classes of 1913 and 1914 must make fifty per cent. of their grades above four after the beginning of next year (1911-12) in order to graduate.

The number of absences and unprepareds allowed each student has been materially restricted. No excuse for absence from college exercises is to be granted to a student until his allowance of absences has been used up. The previous allowance has been reduced one-third and after the limit has been reached no further absence or deficiency is allowed. One-half of the allowance of absences in each course may be used up in the form of unprepareds and every unprepared put in thereafter in a given course is counted as an absence.

Tennis and dramatics have been added to the list of organizations included in the rule forbidding a student to participate in more than two in one year without special permission, and the rule will apply hereafter to managers and assistant managers as well as to players or members.

In this connection may be mentioned the new rule that, after this year, freshmen may not represent the University on 'varsity teams in the first semester of their residence, and the fact that the requirements relating to chapel attendance have been remodeled to accord with the new regulations for attendance upon classes.

UNIVERSITY NOTES

PUBLICATIONS.—There was published this summer a special number of the *Bulletin* (No. 49), entitled *A Record of Scientific Work, 1831-1911*. It is an issue of seventy-one pages, containing an introduction, history of the various departments of science, including that of philosophy (as included by Professor J. M. Cattell in his *American Men of Science*), an account of the Middletown Scientific Association, the biographies and publications of the various professors and instructors in science, and the obituaries of four prominent professors in Wesleyan University. The work was begun by Doctor Turrentine, but upon his resignation it passed to Professor Camp, who carried it to completion with the assistance of other members of the faculty.

BUILDINGS.—Important repairs were made this summer at the boiler house. In addition to general repairs, a ventilator, an inspirator, and a Fairbanks scale were installed, the cost of the whole amounting to \$600. The President's mansion, the house now occupied by the Alpha Chi Rho fraternity, and the woodwork of Fisk Hall and Scott Hall were repainted.

THE FIRE AT THE FOSS HOUSE.—Early on the morning of September 1, fire was discovered in the Foss House, for several years the home of the Commons Club. Extensive repairs were in progress, including new baths, redecoration, and renovation. A fire had been burning for some days in an open grate, in order to dry the plaster. Either to this cause or to defective wiring, probably the latter, the origin of the fire is traced. By the time it was discovered it had gained such headway that the main portion of the building was completely gutted and the fire had made some progress into the corridor that communicates with the rear portion. Serious damage was done to the effects of the students who had rooms in the house. It seemed at first as if the building must be torn down, but it was decided to repair the damage, which was fully covered by the insurance, and further to increase the capacity of the

house by adding a story to the rear portion, and increasing the height and floor space of the corridor that connects the front and rear sections. It is expected that the house will again be ready for occupancy by January 1, 1912. In the mean time the Commons Club has its headquarters at 27 Cross Street.

FIRE IN NORTH COLLEGE.—On the night of November 17 a fire started in a couch in room 12, North College, and gained such headway before it was discovered that it completely gutted the room and destroyed the furniture and decorations. It was discovered by the occupant of another room, who was awakened by the smoke, while the three tenants of the burning room slept in the adjoining bedchamber, quite unaware of the fire. Before the arrival of the city fire department the flames had been put out by the use of the hand extinguishers which are kept in the building. The damage to the building amounted to about fifty dollars and, owing to fireproof construction, was confined to one room. The loss to the occupants amounted to about one hundred and fifty dollars.

POSTAL SUB-STATION.—Through the efforts of Eaton, '12, manager of the Wesleyan Book Store, a United States postal sub-station, to be known as Middletown Station No. 1, has been established. The new office, located in the Book Store, has registry and money-order facilities. All college mail not otherwise arranged for at the main office is delivered at this station. Each fraternity has a box, and for those who have no fraternity address private boxes are provided free of charge. Three deliveries per day reach this office, the distribution being completed about 8:10 A. M., 2:30, and 7:45 P. M. Mail is no longer delivered through any of the dormitories.

DEBATE.—The work of the Debating Council has opened most auspiciously. The trials developed an unusual amount of promising material, which made the choosing of the teams very difficult. The triangular league, composed of Amherst, Williams, and Wesleyan, will hold a debate on December 15 on the question: "Resolved, that United States senators should be elected by direct vote of the people." The team which will uphold the affirmative against Williams at Middletown will consist of Coit, '12, and Wallis, '12, with Chanter, '14, as alternate. Buck, '12, and Cornish, '14, with Murphy, '13, as alternate were selected to defend the negative against Amherst at Amherst.

The debate between the sophomores and freshmen will be on the question stated above. The teams have been chosen as follows: for

1914, Abraham and Dulany, with Amy as alternate; for 1915, Willoughby and White, with MacMullen as alternate.

For the spring debate it is hoped a third institution may be found to form with Bowdoin and Wesleyan a second triangular league. The officers of the Debating Council for the current year are Buck, '12, president; Coit, '12, manager; Murphy, '13, assistant manager.

LABORATORY OF THE STATE BOARD OF HEALTH.—From October 1, the beginning of the state fiscal year, the amount annually appropriated to the laboratory of the State Board of Health under the direction of Professor Conn is increased to \$8,000. In the last two years 19,000 specimens have been examined in this laboratory. This has resulted in the diagnosis of tuberculosis, typhoid fever, diphtheria, malaria, gonorrhoea, spinal meningitis, anthrax, and trichinosis. Some 7,000 specimens of water and milk have been analyzed. The health officers of the state have been using the laboratory extensively to prevent the distribution of diphtheria in the schools, and the State Board of Health has recently authorized it to make plans for undertaking the diagnosis of glanders in horses.

Professor Conn has been made a member of a commission of milk standards, composed of persons of national reputation in connection with milk problems, and appointed to set the standards for market milk. The commission has been established by a New York milk committee but it is expected that its work will furnish a basis for milk standards throughout the country. Doctor Charles Edward North, '93, is secretary of the commission.

GERMAN BOOK CLUB.—The German book club, which was founded last year among the faculty of the University and their friends, is entering on its second year with a somewhat increased membership. During the past year the club purchased and circulated among its members twenty-four volumes of contemporary German literature, including drama, fiction, and poetry. By the statutes of the club, which enjoys a small subvention from the German department, these books afterwards became the property of the University library.

PHI BETA KAPPA.—At a meeting of the society held on November 21, the following members of 1912 were elected to membership: Faith Bonfoey and Hester Wilson Reynolds of Middletown; George Landon Buck, of New London; Carl Scott Coit, of Lawrence, New York; Robert Victor Story of Taunton, Massachusetts; Edgar Watters Wallis of Ashley, Pennsylvania.

FACULTY NOTES

PRESIDENT SHANKLIN.—The President has been devoting his time very largely to the endowment campaign. He has, however, found opportunity to visit most of the alumni associations this year and several preparatory schools as well.

PROFESSOR RICE.—Professor Rice has been granted leave of absence for the present year, and is expecting to go to Europe in January and remain about six months. He is at present temporarily residing in Washington, and is engaged chiefly in editorial work on bulletins of the State Geological and Natural History Survey. Two bulletins are now passing through the press. One, by Professor Charles R. Eastman of the University of Pittsburgh, is on the Triassic Fishes of Connecticut; the other, by Professor Wesley R. Coe of Yale University, is on the Echinoderms of Connecticut. A third bulletin on the Birds of Connecticut, by Mr. John H. Sage and Dr. Louis B. Bishop, assisted by Mr. Walter P. Bliss, is nearly ready for the press. Several other bulletins have been submitted for editorial revision, and will be ready for publication at an early date.

PROFESSOR HEIDEL.—Professor Heidel has been engaged to edit the works of Hippocrates for the Loeb Classical Library, to be published by Heinemann in London and the Macmillan Company in New York. Mr. James Loeb, formerly of the banking firm of Kuhn, Loeb & Co., and an enthusiastic lover of the ancient classics, has arranged for this publication from a desire to revive an interest in classical literature. The library, edited by an international board of eminent classical scholars, will range from the time of Homer to the fall of Constantinople, and will present a comprehensive and uniform series of classical texts with translations of the highest attainable quality.

PROFESSOR FIFE.—Professor Fife returned late in September from abroad, having been absent on leave during the latter half of the past year. The greater part of his time abroad was spent in Germany and Austria, in the study of recent changes in educational conditions and of contemporary movements in German literature and culture.

INAUGURATIONS.—At the recent inaugurations of New England college presidents Wesleyan University was represented as follows: At the inauguration of President Guy Potter Benton of the University of Vermont on October 6 by President Shanklin; at that of President Ellen Fitz Pendleton of Wellesley College on October 19 by President

Shanklin and Professor Bradley; at that of President Lemuel Herbert Murlin of Boston University on October 20 by President Shauklin and Professor Rice. At the first of these occasions President Shanklin represented the colleges and universities of New England, and was honored by the University of Vermont with the degree of Doctor of Laws. He was also one of the speakers at the dinner given in connection with the inauguration of President Murlin.

MEETINGS ATTENDED.—A report of important meetings attended by members of the faculty will appear in the May *Bulletin*.

YOUNG MEN'S CHRISTIAN ASSOCIATION

To fill the vacancy caused by the resignation of Chester Miller Knight, Floyd Emerson Logee has been appointed general secretary. Mr. Logee received the degree of A. B. from Western Reserve University in 1911.

His plans for the year include close connection and coöperation with the churches of Middletown, active social service, especially in boys' clubs, and frequent social occasions for the whole student body. One of these, the annual reception to the entering class, was held in the Phi Nu Theta House on October 3. To secure increased efficiency, the Association has allied itself more closely with the International Committee. The expense connected with the year's work has been carefully estimated and a budget of between \$300 and \$400 will be required.

Owing to the press of other things during the opening weeks, the classes in Bible study were not organized until the beginning of November. The plan for this year's study arranges the students more strictly by college classes than has been customary the past few years. Each man outside the freshman class has the choice of enrolling himself in a group consisting entirely of members of his own class or in a group composed of men from the three upper classes. The arrangement is as follows:

FOR SENIORS

1. "The Social Teachings of Jesus." Leader—Professor Camp.
2. "The Will of God." Leader—Mr. Logee.

FOR JUNIORS

3. "The Earlier Prophets." Leader—Professor Hewitt.
4. "The Will of God." Leader—Mr. Logee.

FOR SOPHOMORES

5. "New Studies in Acts." Leader—Professor Cady.
6. "The Will of God." Leader—Mr. Logee.

FOR FRESHMEN

7. "Studies in the Life of Christ." Leaders—Frost, '11; Hanna, '12; Buck, '12; Wallis, '12; Crane, '13.

Preliminary to these courses, particularly that in the life of Christ, Professor Dutcher has been giving a series of eight lectures on the History of the Old Testament and its Times. These have been held at Sunday noon in the First Methodist Church and have been largely attended by men of all classes. In the second semester classes in mission study will begin. These will consider the problems of our own country relative to the immigrant and the city, as well as conditions in non-Christian lands.

On October 21 and 22, the association, in conjunction with Berkeley Divinity School, entertained the Ninth Annual Connecticut Valley Student Missionary Conference. Delegates to the number of 166 were present from Amherst, Dartmouth, Hartford School of Missions, Hartford Theological Seminary, Mount Hermon Seminary, Mount Holyoke, Massachusetts Agricultural College, Northfield Seminary, Smith, Springfield Training School, Williams, and Yale, in addition to delegates from Wesleyan and Berkeley. On the 21st, the delegates were tendered a reception at the Phi Nu Theta House in the afternoon, and a dinner in the gymnasium in the evening. The principal speakers of the Conference were Reverend D. Brewer Eddy, Doctor W. L. Ferguson, Miss Anna Brown, Mr. John Magee, Doctor Tom Jays, Doctor Edward H. Hume, and Professor Harlan P. Beach of Yale. On the morning of Sunday, October 22d, speakers from the conference filled the pulpits of several of the local churches.

 UNDERGRADUATE NOTES

PRESIDENT OF THE COLLEGE BODY.—The President of the College Body for the present year is John Baker Hanna, '12, of Cambridge, New York.

RECEPTION TO DOCTOR FAUVER.—A cordial welcome was extended by the student body to the professor of physical education at a reception held in his honor at the Delta Kappa Epsilon chapter house on October 12. Professor Nicolson, after a brief sketch of the athletic history of Wesleyan for the last twenty years, welcomed Doctor Fauver in the

name of the faculty. President Hanna of the college body proffered the greetings of the undergraduates. Doctor Fauver was called upon to speak and gave an outline of his plans for the development of his department.

CLASSICAL CLUB.—The club meets monthly at the house of a member of the faculty or at a fraternity house, for the discussion of some topic connected with classical studies, and for a social hour. The officers are hereafter to be elected for a year instead of semi-annually as heretofore. For this year they are E. S. Clark, '13, president; B. H. Jones, '14, vice-president; E. K. French, '13, secretary and treasurer.

DEUTSCHER VEREIN.—Through the gifts of various friends and by purchase the rooms of the Deutscher Verein in East Hall have been attractively fitted up with furniture and with pictures representing German life and culture. In addition to their use for the regular semi-monthly meetings of the Verein, a regular German reading room is to be maintained for the use of the members, and it is hoped that a small library relating to German school and university life may eventually be collected. The greatest present need of the Verein is a small reflectoscope for illustrating the various talks which are given before the Verein on German life and customs.

The officers for the present semester are A. F. Haus, '12, president; A. H. Van Voris, '12, vice-president; R. W. Eaton, '12, secretary and treasurer.

WESLEYAN BOOKSTORE.—The Wesleyan Bookstore, started by its present manager three years ago, now handles ten thousand books a year and other student supplies of every kind. In addition to the new post-office, Mr. Eaton carries on a circulating library containing all the latest novels. Six students are regularly employed as clerks and one as bookkeeper. The store also works in conjunction with the so-called Junior Committee by employing as agents for posters, banners, magazines, etc., various men selected by the committee.

STUDENT PUBLICATIONS.—The Wesleyan Literary Monthly appears with a new cover and different paper. Important changes have been made in the advertising, with the intention of increasing its value to the advertisers.

MALE QUARTETTE.—A quartette consisting of Morsell, '14, first tenor; Anderson, '12, second tenor; Bacon, '13, first bass; and Thrasher, '12, second bass, has been organized to furnish special music at vespers each Sunday.

RECENT COLLEGE APPOINTMENTS

Class

- 1887 Samuel Newton Taylor. Professor of Physics, Goncher College.
- 1890 Frank Burnett Dains. Associate Professor of Chemistry, University of Kansas.
- 1891 Eugene Allen Noble. President of Dickinson College.
- 1900 Arthur Bourne Smith. Librarian, Kansas State Agricultural College.
- 1900 Payson Jackson Treat. Associate Professor of History, Leland Stanford Jr. University.
- 1901 Herbert Cooper Ward. Instructor in Bacteriology, Syracuse University.
- 1902 Fred Marlin Meader. Instructor in Bacteriology, Medical School of Syracuse University.
- 1903 Martin John Prucha. University Fellow, Cornell University.
- 1905 Henry Foster Adams. Instructor in Psychology, University of Michigan.
- 1905 Victor Caryl Myers. Lecturer in Chemical Pathology, New York Post-Graduate Medical School.
- 1906 Albert Mann, Jr. Instructor in Romance Languages, Wesleyan University.
- 1906 Frank Egleston Robbins, Assistant in Greek, University of Chicago.
- 1906 George Wiley Sherburn. Instructor in English, Wesleyan University.
- 1906 Frederick Warren Wright. Instructor in Latin, Smith College.
- 1907 Adolph Burnett Benson. Instructor in German, Dartmouth College.
- 1908 Kenneth Noël Atkins. Fellow in Bacteriology, University of Chicago.
- 1908 Herbert Parsons Patterson. Fellow in Philosophy, Yale University.
- 1909 Walter Parks Bliss. Fellow in Bacteriology, Columbia University.
- 1909 Carl Whitman Doxsee. Fellow in Philosophy, Princeton University.
- 1909 Philip Lombard Given. Professor of Psychology and Logic, University of Mount Allison College, Canada.
- 1909 Oscar Fred Hedenburg. Fellow in Chemistry, University of Chicago.
- 1910 Paul North Rice. Assistant Reference Librarian, Ohio State University.
- 1911 Harold Putnam Frost. Assistant in Physics, Wesleyan University.
- 1911 Leonard Amby Maynard. Assistant in Chemistry, Iowa State College.

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WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT

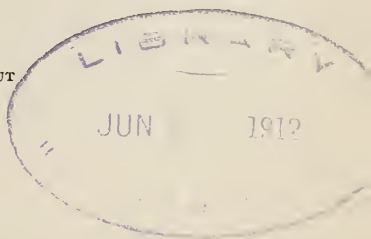


BULLETIN 51 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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MIDDLETOWN, CONNECTICUT
PELTON & KING



CALENDAR

May 31	Friday	9:00 A. M.	Final examinations will begin.
June 15	Saturday	5:00 P. M.	Preliminary meeting, Phi Beta Kappa.
June 15	Saturday	8:15 P. M.	Concert by the Musical Clubs.
June 16	Sunday	10:30 A. M.	Baccalaureate sermon, by President William Arnold Shanklin, LL. D.
June 16	Sunday	7:30 P. M.	University sermon, by Bishop Eugene Russell Hendrix, D. D., LL. D.
June 17	Monday	9:00 A. M.	Examination of College Entrance Examination Board will begin.
June 17	Monday	9:00 A. M.	Annual meeting, Phi Beta Kappa.
June 17	Monday	11:00 A. M.	Final Chapel Exercises. Award of prizes and of preliminary honors.
June 17	Monday	2:00 P. M.	Class Day Exercises.
June 17	Monday	3:00 and 8:00 P. M.	Meeting, Board of Trustees.
June 17	Monday	5:00-6:30 P. M.	President's Reception.
June 17	Monday	6:00-9:00 P. M.	Class Reunions.
June 17	Monday	9:00-11:00 P. M.	Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
June 18	Tuesday	9:00 A. M.	Meeting, Board of Trustees.
June 18	Tuesday	9:30 A. M.	Meeting of the Alumnæ.
June 18	Tuesday	10:00 A. M.	Meeting, Alumni Association.
June 18	Tuesday	12:00 M.	Meeting, Alumni Athletic Association.
June 18	Tuesday	12:30 P. M.	University Luncheon.
June 18	Tuesday	3:30 P. M.	Baseball Game, Alumni vs. Varsity.
June 18	Tuesday	5:00-7:00 P. M.	Fraternity Receptions.
June 19	Wednesday	10:30 A. M.	COMMENCEMENT. Contest for the Rich Prize. Conferring of Degrees.
Sept. 18	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Sept. 19	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President

SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices

LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

\$1,000,000 ADDED ENDOWMENT FUND

\$766,030 SUBSCRIBED

\$233,970 TO BE RAISED

These figures measure not only our achievement but our remaining task. **\$233,970** must be secured by Commencement Day, June 19. Many are at work to obtain it. Trustees, alumni, undergraduates, citizens of Middletown and of the state outside of Middletown, and friends of Wesleyan everywhere are themselves giving and are working zealously to secure subscriptions. The confidence of those who have subscribed is shown by the fact that cash payments to the new endowment amount to **\$172,566**.

Since the subscriptions must all be secured by June 19, if you have not already subscribed will you not immediately do so? If you have made a subscription and are able to increase the amount, will you not do so at once? A subscription blank for your use will be found on page 48.

WILLIAM ARNOLD SHANKLIN, *President.*

JOHN C. CLARK, *Chairman of Endowment
Committee and Acting President
of the Board of Trustees.*

COMMENCEMENT.—The alumni of Wesleyan are looking forward confidently to the completion of the million dollar endowment fund before the approaching Commencement. Everyone who has contributed will be in Middletown at that date to celebrate this epoch-making achievement in the history of the University. Those who have not already subscribed will do so at once and join in the enthusiastic alumni reunion during Commencement week. The class of 1862 will celebrate its fiftieth anniversary and proposes to set the pace for the other class reunions. The names of the men of '67, '72, '77, '82, '87, '92, '97, '02, and '07 are full guarantee that each of these class reunions will be an event worth attending.

UNDERGRADUATE SUBSCRIPTIONS TO THE ENDOWMENT FUND.—On Wednesday, April 24, the undergraduates in a meeting of the college body resolved to raise ten thousand dollars toward the million dollar endowment fund, and appointed a committee to canvass for subscriptions. To date, the sum of \$9,100 has been pledged. The interest of the undergraduates in the completion of the fund, and their eagerness to have a share in it, are most happy omens.

TOWN AND GOWN.—Not since the town and people of Middletown in 1830 placed at the disposal of Reverend Laban Clark and his committee property valued at \$40,000 for the foundation of Wesleyan University in Middletown have the good citizens of Middletown shown such a lively and substantial interest in the welfare and growth of the University. The pledges of the townspeople toward the million dollars now amount to \$50,450.

Never were the relations between town and gown more cordial or more mutually helpful. The business men of the town and the authorities of the University realize that the prosperity and good fortune of Middletown and of Wesleyan University are inseparably associated. The enthusiastic participation of the townspeople in the exercises connected with the installation of President Shanklin and, just now, in the completion of the million dollar endowment fund are convincing evidences of their generous goodwill toward "the college on the hill" and of their belief in its high character and usefulness.

NEW STUDENTS.—It is hoped that the class of 1916 will enter, in September, 150 strong. Throughout its existence Wesleyan has drawn almost all her students from the nine or ten northeastern states of the United States, and from them must obviously come the largest proportion of new students. There are reasons why Wesleyan should appeal

to a wider constituency, and so derive a growing number of students from other sections, such as the middle west.

In desiring increased numbers, Wesleyan seeks only such students as can substantially comply with the requirements for admission. It is unwise both for the individual and for the University that a student should be admitted unless he is adequately prepared and willing to do college work of the standard required by the regulations of the University. Wesleyan bespeaks the assistance of its alumni and friends in securing larger entering classes, but especially in securing students of the best type.

NON-FRATERNITY MEN.—Wesleyan has been known as a college in which the fraternities dominate the undergraduate life. Although within the past year an eighth fraternity has established itself, and the Commons Club has adopted new regulations which tend to remove its former non-fraternity character, the non-fraternity group at Wesleyan was never made up of men of better standing both in scholarship and in undergraduate activities, and in numbers they surpass any of the other nine groups. A prospective student need not hesitate to come to Wesleyan as a non-fraternity man, for he will find plenty of excellent, congenial men in the same category with himself.

EXPERT RECOGNITION OF WESLEYAN'S HIGH STANDING.—The United States Bureau of Education has recently employed Kendrick C. Babcock, former president of the University of Arizona, as an expert to study the relative ranking of American colleges and universities upon the basis of the thoroughness of their preparation of students for admission to graduate schools. It is gratifying to find that Wesleyan University is among the small number in the highest grade.

WESLEYAN ALUMNI IN WHO'S WHO IN AMERICA.—In the *Bulletin* for May, 1911, reference was made to a compilation of data by the *Yale News* which showed that the names of 121 alumni of Wesleyan appeared in the recent edition of *Who's Who in America*, placing Wesleyan eleventh in the list of American colleges and universities in the number of names included in the publication. In citing these figures, the *Bulletin* suggested that a computation of the ratio to the number of living graduates would show more clearly the high standing of Wesleyan on the list. Such a computation has been contributed to the current number of the *Amherst Graduates' Quarterly* by Professor Walter F. Willcox. Deducting the number of living women graduates, and the one woman graduate whose name appears in *Who's Who*, there

are 120 out of 1,836 living men graduates of Wesleyan listed in Who's Who, that is a ratio of 65.3 per thousand. The ratios for other colleges are Amherst 63.3, Williams 47.9, Yale 42.5, Harvard 41.2, Columbia 14.6, Princeton 12.9, Pennsylvania 12.5.

ENLARGEMENT OF THE FACULTY.—The large classes in certain departments have made the demand for an increase of the instructing force so urgent, that it has been found impossible to await the completion of the new endowment fund. Instructors in the departments of English literature, economics, and history will be appointed for next year, to lighten the burden of the professors in those departments and to provide some additional courses for which there has long been a demand.

IMPROVEMENT OF SCHOLARSHIP.—Under this caption in the December *Bulletin* an account was given of new regulations adopted by the faculty to encourage more scholarly work by the students. While it is too early to report on the working of most of those regulations, it is already obvious that the new rules affecting attendance at classes are producing the desired results. It will be some time, however, before the value of the requirement that three-fifths of the work for graduation be third grade or better will be really tested.

At best these regulations are of a compulsory nature, and compulsion is less satisfactory than inspiration. At present there are two inspirations to higher scholarship: the prizes, and honors at graduation, under which may be included membership in Phi Beta Kappa. Twelve of the twenty-four existing prizes are for the promotion of excellent work in regular college courses. In the last ten years 145 of the 567 baccalaureate degrees conferred on men have been with honor, which means that only twenty-five per cent of the men graduates have maintained an average of second grade (approximately 80 per cent) on their entire college course; and only 20 of these attained high honors, that is an average of first grade (approximately 90 per cent). The best of the honor men also receive election to Phi Beta Kappa, to the extent of twenty per cent of the class. The prizes based upon examination are almost never won by a man who has not attained honor rank in his college course. One of the difficulties is that in many cases the inspiration to attain honor or Phi Beta Kappa rank does not lay hold of a student until his senior year, and then it is only by desperate effort that he is able to redeem himself. Perhaps this stimulus could be made effective to some degree in the earlier years of the course if there were published each semester a list of the men who have attained honor rank in each study.

The fraternities, through their scholarship committees, exercise sufficient supervision of their men to assure their compliance with the requirements for graduation, but they seem to give less heed to urging the men to do their best. Perhaps the publication of the honor lists as suggested would arouse a fraternity rivalry for best position on the lists. One member of the faculty recently compiled the average standing of the students in one of his classes on the basis of fraternities. Each of the fraternities was represented by at least five members, the Commons Club by eleven, and the non-fraternity group by twenty. The last group led the other nine by from two to fourteen per cent. The relative standing of each fraternity was communicated to its scholarship committee, which, in several instances, promised immediate effort to raise the standing of its men.

In the granting of tuition scholarships, President Shanklin has consistently emphasized the importance of the candidate's standing in his college work; and it is his avowed policy to give increasing weight to academic rank in the award of tuition scholarships. The effect cannot be other than salutary.

For many years athletics has been considered the most serious foe to good scholarship. Careful regulation has reduced this evil very greatly. The exclusion of freshmen from athletics during their first semester, which will be enforced after this year, will probably make the case rare that an athlete fails to pass his work.

The social interests and activities of the students, on the contrary, are not subject to such regulation, and students who neglect their work because of undue attention to social affairs can be reached only by indirect influences. The parents can do much more than the faculty to insist that the student shall put study preëminently above society and athletics. They, too, can do much to increase the regularity of attendance on college work, by discouraging, to the extreme, absence from town on leave for causes other than illness. The alumni, also, can individually, through their fraternities, and through the new Alumni Council, do much to support the faculty in the enforcement and encouragement of higher standards of scholarship.

After all, the essential thing is not merely that the student shall meet the minimum requirements for graduation, but that he shall make the very best of his opportunities for intellectual improvement, and this means more than study for study's sake.

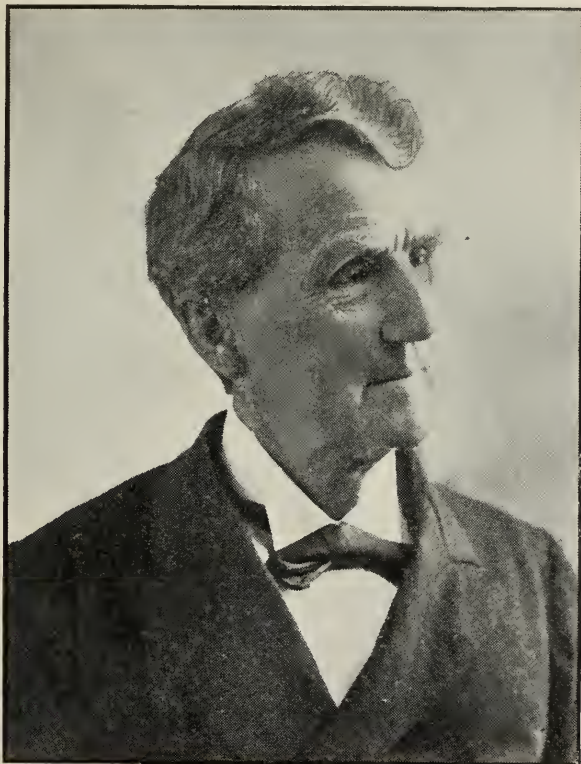
Nothing will contribute more to make Wesleyan the best small college than a well-deserved reputation of her students for consistent excellence in that liberal scholarship which produces the finest type of cultured men of affairs.

THE MARKING SYSTEM.—One of the most vexed problems of every conscientious teacher is the duty of appraising the student's work by some manner of marking system. No one knows better than the teacher that the personal equation is involved and he therefore strives to minimize its influence. A factor which it is much less easy to control is the difference in the character and methods of work necessary in different departments of study, and even in different courses in the same department. The apparent desirability of reducing the standards of the various departments and instructors to uniformity has inspired pedagogists to devise a more satisfactory system. The members of the Wesleyan faculty are interested in the problem and have not failed to give it study and discussion. Statistics prepared by Professor Nicolson early in the year have helped each instructor to see the relation of his standards of marking to those of his colleagues. Such statistics prepared from time to time are perhaps the best means of checking any serious tendency to irregularity in marking, whether due to the personal or departmental equation.

THE HONOR SYSTEM.—In 1895-6, the faculty of Wesleyan University acceded to a request of the students that examinations should be conducted under a student honor system, instead of under the eye of faculty proctors. All matters relating to alleged infringement of the system are investigated by a student committee, and in case of guilt the matter is reported to the faculty with the recommendation of suitable penalty. The faculty has always accepted the report, and with some slight modifications has approved the sentences imposed. The system has worked to the satisfaction of both students and faculty, and, even if not perfect, is immensely superior to the old custom.

As a college generation is only four years, it is necessarily by constant vigilance of the upper classmen that the new students are taught the value of the honor system and respect for it. The arrangement has been extended by mutual agreement to cover essays and laboratory work, and in fact practically every disciplinary relation between the faculty and the students. Whatever value the system has rests upon the maintenance of a high standard of personal honor by every undergraduate. The "honor system" is an official arrangement between the faculty and students, and should not be confused with schemes to regulate athletic and political activities. While careful discrimination in favor of this official "honor system" is essential, the desire of the undergraduates to enforce among themselves in athletics and politics a superior standard of personal honor cannot be too highly commended.

THE OLDEST ALUMNUS.—In the death of John Wesley Lindsay, D.D., of the class of 1840, which occurred at Clifton Springs, New York, on March 6, 1912, Wesleyan University mourns the loss of a notable figure in her history, for he was not only the oldest survivor among the

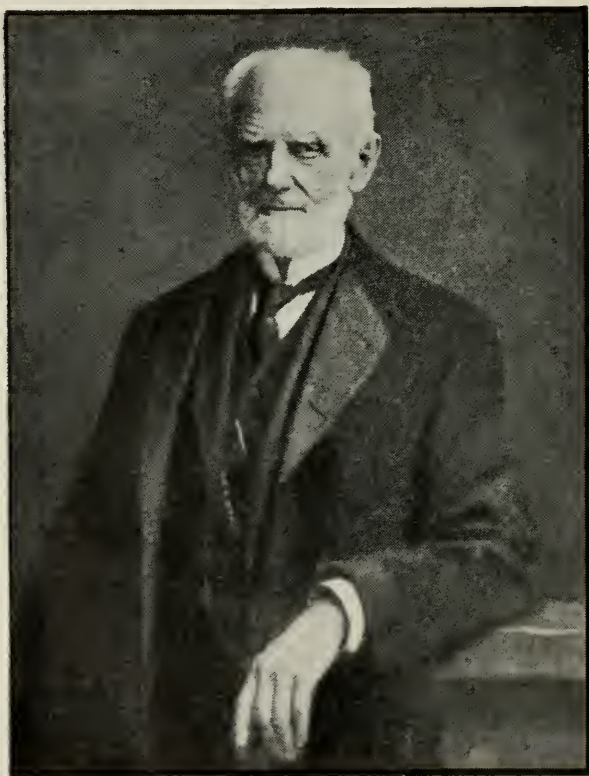


JOHN WESLEY LINDSAY

alumni, but also of the Wesleyan chapter of Phi Beta Kappa, of the faculty, and of the board of trustees.

Doctor Lindsay was appointed a tutor in Wesleyan University in 1847 and from 1848 to 1860 was professor of Latin and Hebrew. The only other persons living who served on the faculty of the University prior

to the appointment of Professor Rice in 1867, are Professor John Monroe Van Vleck, who joined the faculty in 1853, and Reverend Daniel Steele, D. D., who was tutor in mathematics from 1848 to 1850.



GEORGE GREENWOOD REYNOLDS

Doctor Lindsay served as a trustee of the University from 1862 to 1875. No person survives who was a trustee of the University prior to 1871, when Judge Reynolds and Reverend Joseph Elijah King, D.D., of the class of 1847, were elected to the board. Both these veterans of forty years of loyal service were present at the most recent meeting of the board in March.

The oldest living alumnus is now Honorable George Greenwood Reynolds, LL. D., of the class of 1841; and the second oldest, Reverend Micah Jones Talbot, D. D., of the class of 1843.

INTERCOLLEGIATE DEBATES.—In the past year Wesleyan debating teams have won four victories, receiving the votes of ten of the twelve judges in the four contests. Wesleyan is modestly proud of the laurels which her debaters win from year to year. The completeness of their success this year is especially gratifying. An account of the debates and the names of the winning teams will be found on a later page.

DEPARTMENT OF PHYSICAL EDUCATION.—The definite organization of this department and the scope of its activities have been fully explained in the *Bulletin* for December and elsewhere in this number. The services of the head of the department, in both an advisory and a supervisory capacity with regard to the health of the students and their physical fitness to attend their classes or to participate in athletic activities, are of great value and importance both to the individual student and to the University.

The head of the department has also given special attention to encouraging regular exercise in the open air, notably through a complete system of inter-class and inter-fraternity athletic contests. To encourage this general participation of the undergraduates in athletics, the athletic council has taken the novel step of appropriating \$500 this year for the support of these contests.

STATISTICS CONCERNING THE ALUMNI

PART I.

The edition of the *Alumni Record* published in June, 1911, did not contain statistical tables such as were printed in the previous editions of the *Alumni Record*. It is proposed to furnish such statistics to the alumni in a series of articles in the *Bulletin*, the first instalment of which is published herewith. They have been compiled by Professor Nicolson, the editor of the *Alumni Record*.

I. DEGREES

The fourth edition of the *Alumni Record* of Wesleyan University, published in June, 1911, contains the names of 2,849 graduates, 2,627 men and 222 women. Of these, 2,218 received the degree of bachelor of arts, 376 the degree of bachelor of philosophy, and 255 the degree of bachelor of science. The degrees of B. A. and B. S. have been given ever since the establishment of the university. During the first six decades, up to 1890, the number of B. S. degrees conferred was relatively

small, amounting to only 17 in the sixth decade, 15 in the second decade, and less than that number in the other decades. From 1891 to 1900, 54 such degrees were conferred, and from 1901 to 1910, 146. The degree of Ph. B. was given for the first time in 1878, and only 3 Ph. B. degrees were given in that decade, the fifth. Sixty-four Ph. B. degrees were given in the sixth decade—from 1881 to 1890, 146 from 1891 to 1900, and 163 from 1901 to 1910.

The degree of master of arts in course was conferred until 1888 upon bachelors of arts of three years standing under certain conditions. One thousand one hundred and two graduates of the 1,633 in the years 1833 to 1890 received this degree. The degree of master of arts on examination was first conferred in the year 1892. Seventy-one such degrees have been conferred from that year to the present. The degree of master of science on examination was first conferred in 1890, and 36 such degrees have been conferred from that date to this.

The following honorary degrees have been conferred by Wesleyan University on her own graduates: the degree of master of arts upon 14 persons, the degree of doctor of divinity upon 94, and the degree of doctor of laws upon 30; the degree of doctor of science has been conferred by Wesleyan upon two of her graduates, and the degree of doctor of humane letters upon one.

Following is a statement of the honorary degrees conferred upon Wesleyan graduates by other institutions. The degree of master of arts has been given by the following colleges and universities: Yale, 3; Trinity (Connecticut), 3; Syracuse, 3; Union, 2; and one each by the following: Dartmouth, Dickinson, Hobart, DePauw, Ohio Wesleyan, Marietta, McKendree, Transylvania.

The following colleges and universities have conferred the degree of doctor of divinity upon Wesleyan University graduates: Syracuse, 22; Ohio Wesleyan, 11; Mount Union, 8; Dickinson, 7; Allegheny, 6; Genesee, 5; McKendree, 5; Lawrence, 5; Taylor, 5; Union, 3; Baldwin, 3; New Orleans, 3; East Tennessee Wesleyan, 3; the following two each: Harvard, Dakota, Rust, Baker, Little Rock, Southern, DePauw, Illinois Wesleyan, University of the Pacific, Northwestern, Garrett Biblical Institute, Cornell College, Claflin, Mount Allison; and the following, one each: Columbia, Willamette, U. S. Grant, Iowa Wesleyan, Colby, Emory, Ohio University, Norwich University, Boston University, Lafayette, Ripon, Hamline, Albuquerque, Grant, New York University, Whitman, Southwestern, Florence, Wofford, Centenary, Masonic, Emory and Henry, Queens, Hillsdale, Simpson Centenary, Kentucky University, Randolph-Macon, Hamilton, North Illinois, Fort Worth.

The honorary degree of doctor of laws has been conferred by other institutions upon Wesleyan graduates as follows: Allegheny, 5; Syracuse, 4; Northwestern, 4; Ohio Wesleyan, 3; University of Pennsylvania, 2; Hamline, 2; Victoria, 2; University of New Brunswick, 2; and the following, one each: Colgate, University of Mississippi, O'Fallon, Fort Wayne, McKendree, Central Tennessee, East Tennessee Wesleyan, University of Wisconsin, University of Chicago, University of South Dakota, Iowa Wesleyan, Lawrence, Liberia College, Cornell College, Ohio State, New Orleans, South Temperance, Queens, Brown, Taylor, DePauw, University of Vermont, Simpson, University of Missouri, University of North Carolina, Washington and Lee, Lafayette, Moore's Hill, Dickinson, University of Maine, Clark University, Miami.

The following have conferred the degree of doctor of letters upon Wesleyan graduates: University of Denver, Ohio Wesleyan, Taylor, University of Pittsburgh, and Hamline, each one.

The degree of doctor of humane letters has been conferred as follows: Dickinson, 5; New York University, 1; Iowa Wesleyan, 1; University of Vermont, 1; the degree of doctor of civil law as follows: Dickinson, 2; Mount Allison, 1; the degree of doctor of science as follows: Upper Iowa, 1; Brown, 1; Bowdoin, 1; University of Maine, 1.

The following professional degrees and degrees for advanced study have been conferred upon Wesleyan graduates. The degree of doctor of philosophy: Columbia, 14; New York University, 11; Syracuse, 10; University of Leipzig, 7; Yale, 7; Cornell University, 6; Harvard, 6; Boston University, 6; Johns Hopkins, 6; University of Munich, 5; University of Chicago, 4; Princeton, 3; Illinois Wesleyan, 3; University of Göttingen, 3; Clark University, 3; Harriman, 2; University of Pittsburgh, 2; Grant Memorial, 2; Cornell College, 2; University of Heidelberg, 2; and the following, one each: University of Pennsylvania, University of Strassburg, Leland Stanford, Jr., Lawrence, University of the Pacific, Regents of the State of New York, Waco, Lafayette, George Washington, Upper Iowa, Colby, Marietta, Little Rock, McKendree, Taylor, Rutgers, University of Nashville, Erskine, Kansas City University, and the University of Jena. The degree of master of arts on examination: Columbia, 30; Harvard, 25; Yale, 9; New York University, 5; Princeton, 2; Western Reserve, 2; and the following, one each: Cornell University, Haverford, University of Michigan, Brown, George Washington, Dartmouth, Radcliffe, University of Pennsylvania, University of Minnesota. The degree of master of science has been received from Yale, Iowa State, and Massachusetts Institute of Technology, one each. The degree of master of forestry has been conferred by Yale upon 3 Wesleyan

graduates. The degree of M. D. has been conferred upon Wesleyan graduates by different institutions as follows: Columbia, 27; Harvard, 19; New York University, 14; Yale, 10; University of Pennsylvania, 9; New York Homeopathic Medical College, 6; Johns Hopkins, 6; Hahnemann Medical College, 6; Bowdoin, 4; Boston University, 4; Long Island College Hospital, 4; George Washington, 4; University of Vermont, 3; Bellevue Medical College, 3; Berkshire Medical College, 3; Georgetown, 2; Castleton Medical College, 2; Dartmouth, 2; Jefferson Medical College, 2; Northwestern, 2; Detroit Medical College, 2; Albany Medical College, 2; University of Buffalo, 2; Tufts, 2; and the following one each: Louisiana Medical College, University of Louisville, University of Maryland, University of Louisiana, Cleveland Medical College, University of Cincinnati, Cincinnati Medical College, Starling Medical College, California Medical College, Louisville Medical College, Medical College of Ohio, Wooster University, Eclectic Medical College, University of Michigan, University of Denver, University of Illinois, University of Berlin, Rush Medical College, University Medical College. The degree of M. D. has also been conferred upon Wesleyan graduates by four unknown institutions. The degree of LL. B. has been conferred as follows: New York Law School, 34; Harvard, 23; Columbia, 19; Yale, 19; Albany Law School, 17; Boston University, 13; University of Pennsylvania, 10; New York University, 4; St. Lawrence, 3; Syracuse, 3; George Washington, 2; University of Minnesota, 2; Cornell University, 2; and the following, one each: Iowa State, National Law School, Hamilton, Washington, Georgetown, University of Pennsylvania, Union, Drake, Tulane, National University, University of South Carolina, Mexico National School of Law, Dickinson, University of Maine, Northwestern.

Boston University has conferred the degree of J. B. upon one Wesleyan graduate, and the degree of J. M. upon two. Yale has conferred the degree of M. L. upon two Wesleyan graduates, and St. Lawrence University the degree of J. D. upon one. The degree of bachelor of divinity (B. D.) has been received from the following: Drew Theological Seminary, 63; Boston University, 35; Union Theological Seminary, 11; Hartford Theological Seminary, 9; Yale, 8; Garrett Biblical Institute, 5; Episcopal Theological School (Cambridge), 4; Methodist General Biblical Institute, 2; and the following, one each: Bangor Theological Seminary, Theological Seminary of the Reformed Church, Baker University, Berkeley Divinity School, and the General Theological Seminary.

The degree of E. E. has been conferred by Columbia University upon one Wesleyan graduate; the degree of C. E. by the University of

Michigan upon one; the degree of E. M. by the Colorado School of Mines upon one; the degree of M. E. by Cornell University upon four; the degree of D. D. S. by the Philadelphia Dental College upon two; the degree of Ph. M. by the New York University upon one; the degree of B. L. S. by the University of Illinois upon one; the degree of Pd. B. by the Albany State Normal College upon two; the degree of M. Ag. by Delaware College upon one; and the degree of O. M. by Emerson College of Oratory upon one.

REPRESENTATIVES OF WESLEYAN UNIVERSITY IN THE GENERAL CONFERENCE

The following table shows to what extent representatives of Wesleyan bear an official part in the General Conference of the Methodist Episcopal Church, now in session at Minneapolis, Minnesota.

I. DELEGATES

GRADUATES AND NON-GRADUATES

<i>Clerical:</i>	CONFERENCE
Albert J. Nast, '68, - - - - -	Central German
Edmund M. Mills, '72, - - - - -	Central New York
Benjamin C. Conner, '76, - - - - -	Central Pennsylvania
Herbert Welch, '87, (reserve) - - - - -	Cincinnati
N. Walling Clark, '79, - - - - -	Italy
Edward L. Mills, '98, - - - - -	Montana
Norman A. Martin, non-graduate, '86, - - - - -	Nebraska
Jacob A. Cole, '87, - - - - -	Newark
Edward S. Ninde, '87, - - - - -	New England Southern
Andrew J. Coultas, '80, - - - - -	New England Southern
Jacob F. Cooper, '83, (reserve) - - - - -	New England Southern
Edward C. Strout, '86, - - - - -	New Hampshire
George P. Eckman, non-graduate, '84, - - - - -	New York
David G. Downey, '84, - - - - -	New York East
James M. Buckley, non-graduate, '60, - - - - -	New York East
Theodore S. Henderson, '92, - - - - -	New York East
George P. Mains, '70, - - - - -	New York East
William V. Kelley, '65, - - - - -	New York East
Abram S. Kavanagh, non-graduate, '85, - - - - -	New York East
F. Mason North, '72, (reserve) - - - - -	New York East
Frederick W. Hannan, '90, (reserve) - - - - -	New York East
Andrew Gillies, '95, - - - - -	Northern Minnesota

Levi Gilbert, '74,	-	-	-	-	-	Ohio
Alpha G. Kynett, '78, (reserve)	-	-	-	-	-	Philadelphia
Timothy P. Frost, non-graduate, '76,	-	-	-	-	-	Rock River
Charles E. Green, '79, (reserve)	-	-	-	-	-	Troy
Ralph F. Lowe, '94,	-	-	-	-	-	Vermont
Willard B. Dukeshire, '92, (reserve)	-	-	-	-	-	Vermont
Robert S. Ingraham, '88, (reserve)	-	-	-	-	-	Wisconsin
Leonard C. Murdock, '90,	-	-	-	-	-	Wyoming

Lay:

John E. Andrus, '62,	-	-	-	-	-	New York
Fred E. Tasker, '84, (reserve)	-	-	-	-	-	New York
Edward L. Blaine, '86,	-	-	-	-	-	Puget Sound
Abram W. Harris, '80, (reserve)	-	-	-	-	-	Rock River
Daniel L. Robertson, '78,	-	-	-	-	-	Troy
George L. Peck, '90,	-	-	-	-	-	Wyoming

HONORARY ALUMNI

Clerical:

Thomas Nicholson, D. D., '09,	-	-	-	-	-	Dakota
Francis J. McConnell, LL.D., '09,	-	-	-	-	-	Indiana
Henry A. Buttz, M. A., '66,	-	-	-	-	-	Newark
James R. Day, D. D., '83,	-	-	-	-	-	New York
Wallace MacMullen, D. D., '97, (reserve)	-	-	-	-	-	New York
Charles L. Goodell, D. D., '06, (reserve)	-	-	-	-	-	New York
Charles M. Stuart, D. D., '06,	-	-	-	-	-	Rock River
William H. Hughes, D. D., '87,	-	-	-	-	-	Troy
Homer C. Stuntz, D. D., '10,	-	-	-	-	-	Upper Iowa
John A. Faulkner, D. D., '97,	-	-	-	-	-	Wyoming

Lay:

Henry W. Rogers, LL.D., '90,	-	-	-	-	-	New York East
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TRUSTEES (NOT ALUMNI)

J. Edgar Leaycraft, 1906-	-	-	-	-	-	New York
Cephas B. Rogers, 1886-	-	-	-	-	-	New York East
John H. Coleman, 1885-1904,	-	-	-	-	-	Troy

II. BISHOPS

ALUMNI

Henry W. Warren, '53,	William Burt, '79.
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HONORARY ALUMNI

John W. Hamilton, M. A., '77,	William F. McDowell, D. D., '03,
James W. Bashford, LL. D., '03,	William F. Anderson, D. D., '02.

TRUSTEE MEETING

An adjourned meeting of the board of trustees was held at 150 Fifth Avenue, New York City, on Friday, March 22, 1912, at 2:30 P. M. President Shanklin presented an oral report on the state of the University. A report of the committee on honorary degrees was accepted and adopted, and the president was authorized to confer various honorary degrees at the approaching Commencement.

President Shanklin, for the endowment committee, reported in cash and pledges a total of \$581,000, including \$100,000 from the General Education Board. The matter of the endowment was then informally discussed, and plans perfected for an aggressive campaign until Commencement.

Professor Bradley was granted leave of absence for the college year 1912-13, and Professor Crawford for the third term of the same year. Durant Drake, Ph. D., was elected associate professor of ethics and philosophy of religion for one year.

Reverend W. F. Sheldon, '99, of New York City, was elected Assistant to the President, his duties relating immediately to the raising of the endowment and later to representation of the University under the direction of the President.

The whole subject of the increase of salaries of the faculty was referred to the committee on faculty, to report at the annual meeting. The matter of the deficit was referred to the committee on finance, to report at the annual meeting. The matter of a voting trust in connection with the Bowne estate was referred to the treasurer with power, and with power to execute all necessary papers.

A vote of thanks was extended to the proprietor of the Manhattan Hotel for courtesies extended through the year.

It was noted that among the trustees present and active was Judge George G. Reynolds, the oldest alumnus of the University, aged 91, and Dr. Joseph E. King, aged 88.

RECENT GIFTS

Since the publication of the December *Bulletin* the new endowment fund has been increased by cash payments amounting to \$103,816.17. A full statement of the present condition of the new endowment fund will be found on page 3 of this *Bulletin*.

Additional payments of \$114 have been received for the undergraduate building fund for North College; and further payments to the alumni endowment fund have been made amounting to \$480.50.

The legacy of \$40,000 left by the late Walter Hubbard of Meriden, Connecticut, has been paid by the executors of his estate. This gift establishes the Walter Hubbard Scholarship Fund.

LIBRARY

Since the report published in the *Bulletin* for May, 1911, the endowment of the library has been increased by the transfer from income of \$503.77. The total endowment is \$99,932.80.

The number of volumes accessioned from May 1, 1911, to April 30, 1912, was 3,295. They were obtained as follows: by purchase, 1,919; by binding periodicals, 325; by exchange, 1; by gift, 1,065; deducting 15 volumes, exchanged, sold, or lost, there remains a net addition of 3,295 volumes. The total number of volumes in the library at the present time is 90,000.

Among the more important accessions of the year are the following: Bryan, Dictionary of Painters and Engravers, 5 vols.; *Petermanns Mitteilungen*, 1895-1909; Babylonian Talmud, edited by Rodkinson, 10 vols.; Tolstoy, Works, translated by Wiener, 24 vols.; Cyclopædia of American Agriculture, 4 vols.; Cyclopædia of American Horticulture, 4 vols.; Descartes, Oeuvres, edited by Adam and Tannery, 12 vols.; *Columbia University Studies in History, Economics, and Public Law*, vols. 1-45; Encyclopædia Britannica, 11th edition, vols. 15-29; Sybel, Die Begründung des deutschen Reiches, 7 vols.; Bartholomew, Atlas of Zoögeography; Hagen, Gesamtabenteuer, 3 vols.; *American Journal of Physiology*, vols. 14-27, completing set; *Journal of Physiology*, vols. 33-41, completing set; Varnhagen von Ense, Tagebücher, 14 vols.; Inscriptiones Graecae, vols. 1-4, 7, bound in 12 vols.; Treitschke, Deutsche Geschichte im neunzehnten Jahrhundert, 5 vols.; Bibliothek deutscher Geschichte, 22 vols.; *Vierteljahrsschrift für Literaturgeschichte*, vols. 1-6; *Zeitschrift für vergleichende Literaturgeschichte*, 1887-1904; Massachusetts life insurance reports, 1859-1910; Ibsen, Collected works, 11 vols.; Massachusetts Historical Society, Proceedings, vols. 1, 2, 9-44, and Collections, 4th series, vol. 5, to 7th series, vol. 8, completing both sets; *Le Radium*, vols. 1-8; National Educational Association, 29 vols., nearly completing set; Sully Prudhomme, Poésies, 6 vols.; Coppée, Poésies, 6 vols., and Théâtre, 5 vols.; Leconte de Lisle, Poèmes, 4 vols.; Lamarre, Histoire de la littérature latine, 9 vols.; *Journal des économistes*,

1842-1911, 270 vols.; Nestroy, *Gesammelte Werke*, 12 vols.; Lassalle, *Gesamtwerke*, 11 vols.; Gotthelf, *Werke*, 11 vols.; Kotzebue, *Theater*, 40 vols.; J. Grimm, *Kleinere Schriften*, 8 vols.; W. Grimm, *Kleinere Schriften*, 4 vols.; Erk and Böhme, *Deutscher Liederhort*, 3 vols.; Schmidt, *Geschichte der Pädagogik*, 4 vols.; Reed's *Modern Eloquence*, 15 vols.; Oribasius, *Oeuvres*, edited by Bussemaker and Darenberg, 6 vols.; *Rolls Series*, 78 vols.; *Philosophical Transactions*, series A, vols. 205-210, series B, vols. 198-201, completing set; *Annales de chimie et de physique*, 1897-1911, 45 vols., completing set; Dickens, *Works*, Centenary edition, 36 vols.; Müllner, *Dramatische Werke*, 7 vols.; Mitteis and Wilcken, *Grundzüge und Chrestomathie der Papyrskunde*, 2 vols. in 4; Königlich bayerische Akademie der Wissenschaften zu München, *Sitzungsberichte*, 1860-1870, *Sitzungsberichte der mathematisch-physikalischen Classe*, 1871-1911, *Sitzungsberichte der philosophisch-philologischen und der historischen Classe*, 1899-1911; *Berichte über die Verhandlungen der königlich sächsischen Gesellschaft der Wissenschaften zu Leipzig*, 1847-1848, *Mathematisch-physische Classe*, 1849-1911, *Philologisch-historische Classe*, 1849-1911.

From May 1, 1911, to April 30, 1912, 9,009 books and periodicals were drawn from the library for home use. In addition 2,415 volumes were withdrawn from general circulation and reserved for special use either in the library or in the seminary rooms. This is an increase of nearly 13 per cent in the number of volumes circulated and of 55 per cent in the number of volumes reserved. The current numbers of 96 periodicals were sent to the seminary rooms or laboratories for the use of instructors and advanced students.

There were presented to the library from May 1, 1911, to April 30, 1912, 838 bound volumes, 3,974 pamphlets and numbers of periodicals, and 97 maps. Among the donors were the United States Government, the Library of Congress, the Smithsonian Institution, the State Libraries of Connecticut and New York, the Carnegie Institution, the Connecticut State Board of Education, the Pennsylvania Steel Company, the Geological Survey of Canada, the Illinois Bureau of Labor Statistics, the New York Department of Labor, the Argentine Republic, the Library of the University of Michigan, the German Book Club, the Public Service Commission of New York, first and second districts, the Case Memorial Library, the Insurance Departments of Wisconsin, Illinois, Ohio, New York, New Jersey, and Pennsylvania, the Geological and Natural History Survey of Wisconsin, the Geological Survey of Georgia, the New York Department of Banking, the New York Life Insurance Company, the Massachusetts Historical Society, the New

York Historical Society, Harvard University, Bryn Mawr College, the Russell Library, the Hudson-Fulton Celebration Commission, G. E. Stechert and Company, and the following individuals: Professor A. C. Armstrong, Mrs. W. O. Atwater, Honorable F. B. Brandegee, B. H. Cheney, '59, Reverend J. C. W. Coxe, '63, Professor M. B. Crawford, '74, Professor W. C. Fisher, J. C. Graham, '90, Doctor S. A. Green, Professor K. P. Harrington, '82, Professor W. A. Heidel, Professor Oscar Kuhus, '85, Professor W. P. Ladd, Honorable George P. McLean, Ex-President B. P. Raymond, Professor W. N. Rice, '65, B. A. Rich, '78, Honorable W. C. Squire, '59, R. C. Super, V. B. Swett, '96, H. O. Taylor, Professor J. M. Van Vleck, '50, Guy W. Walker, H. R. Willoughby, '15.

The Committee on Bibliography of the American Historical Association, headed by Professor E. C. Richardson, Librarian of Princeton University, recently prepared a check-list of historical works of use in connection with research work in European history. This list was submitted to the larger libraries of the United States with the request that each library check such sets as it owned. Among the libraries which reported, the Wesleyan library ranked twenty-fifth in the number of sets owned, being ahead of the libraries of a number of colleges with larger faculties and more students.

MUSEUM

During the year the museum has received in gifts about 12,000 specimens, most of which came as a legacy from the late Charles H. Neff of Portland, Connecticut. This large collection included 78 specimens of wood of the local trees, 440 specimens of minerals, 91 mounted birds, 281 bird skins, 883 birds' eggs, 55 very beautiful mollusca shells, 8,650 Indian relics, and many miscellaneous specimens of colonial household utensils and other objects. The Indian collection has been placed on exhibition in a special case but all the other specimens have been merged with the various collections of the museum. These collections of Mr. Neff were practically all made in the vicinity of Portland, Connecticut, and will add greatly to the value of other collections of local interest in the museum.

A few minerals and fossils were donated by Reverend E. O. Thayer, '75, of Barre, Vermont.

The total number of specimens in the museum is now 177,385.

Within the last two years all the invertebrates, fish, amphibia, and reptiles, have been rearranged and reclassified, and the large cases in which they are exhibited have been painted. Three large new cases

have been placed in the hall of the second floor to contain nearly all the native New England land and water birds.

The herbarium, which contains nearly 12,000 plants, has been almost entirely reclassified according to Gray's Manual of Botany by Mr. C. H. Bissell of Southington, and Mr. C. A. Weatherby of East Hartford, who have voluntarily given their services and to whom the University extends its sincere thanks.

DEPARTMENT NOTES

LATIN.—Mrs. Atwater has recently added to her previous gift of photographs from Professor Atwater's collection a number of valuable framed photographs of classical works of art.

PHILOSOPHY.—Next year Courses IX and X will be open to seniors who have taken Course I, thus providing a general course in philosophy for the present junior class. These courses will also be open to juniors who have attained honor grades in Course I. Courses VIII and XI will be given in the second half-year.

CHEMISTRY.—During the next college year, while Professor Bradley is absent on leave, the department will be in charge of Associate Professor Renshaw. Several of the courses usually offered will of necessity be omitted. But the courses in the current catalogue numbered I-III, V-VIII, and XV, inclusive, will be given. Full details will be published in the forthcoming announcement of courses of instruction.

It is pleasant to announce the return, in restored health, at the close of the Easter recess, of Mr. R. R. Stevens, the assistant in the department, who was stricken with illness in November last. Mr. Stevens will remain as assistant next year.

Through the interest of a friend of the department, a small fund has been established, to be known as the Gona Fund, the interest of which will provide for a yearly subscription to the French journal *Le Radium*. The departmental library now possesses a complete set of this journal, the volumes already published having recently been purchased from general library funds.

BIOLOGY.—A laboratory course in bacteriology has been offered the present year and will hereafter be a regular course. It is designed for seniors and counts as two hours for a year. It includes the study of laboratory methods of bacteriological research and is accompanied by extensive collateral reading.

DEPARTMENT OF PHYSICAL EDUCATION

An extensive account of the plans of the new department of physical education was published in the *Bulletin* of last December. Certain additional details relative to the working out of these plans may be of interest.

EXAMINATIONS.—Complete physical examinations were given to 107 freshmen and nearly the same number of special examinations to upper-classmen who wished to take part in athletics. As a result some fifteen students were forbidden to engage in athletics and were warned against any form of violent exercise because of cardiac conditions. Of the freshmen, sixteen were advised to consult a dentist at once, twenty-four were found subject to a greater or less degree of astigmatism and thirty-four of myopia or presbyopia. These men, as well as several others found to have serious physical defects, received advice as to the proper care and treatment of their condition and many were followed up to make sure that the advice was being taken.

MEDICAL WORK.—The medical work of the department has consumed far more time than had been anticipated. A very large number of students have consulted Dr. Fauver for various conditions, including minor sprains and bruises. Many cases necessitated a visit to the student in his room. This has afforded an insight into the hygienic condition of the dormitories and fraternity houses, which the department hopes to use for the benefit of the students. Several of the more serious cases it was necessary to send to the city hospital or to one of the local physicians for proper care. It is clear from the records kept by the department that there is a great need for an infirmary under the care of a college physician to render possible the speedy removal of a student from his room to a place where he can receive the necessary care. As conditions now exist, many a patient with tonsilitis or other infectious condition is compelled to sleep in the same room with one or two other students, thus exposing them to the same disease, or is left alone for a whole day or a night without any care whatever.

ATHLETICS.—Intra-mural sports have been carried on very successfully during the past year. The gymnasium classes have met at earlier hours than heretofore, thus leaving the gymnasium free for optional work and sports in the late afternoon. Sixty men participated in the interclass football series and 125 men in the basketball series in which 56 games were played by teams representing each class and each fraternity and the Commons Club. This spring intra-mural sports are being conducted in

baseball, tennis, and track. Probably 125 men will participate in baseball, thirty in tennis, and fifty in track, in each case exclusive of the 'varsity teams. The Boston alumni have contributed largely to stimulate interest in these sports by the donation of an interclass championship cup to be awarded each year to the class that wins the interclass athletic championship of the college. By vote of the athletic council \$500 has been devoted for the expense of conducting these sports in which no 'varsity men participate.

CHRISTIAN ASSOCIATION

Of 390 men registered in Wesleyan University the present year, 261 are enrolled as active members of the Christian Association. About 175 men were enrolled in voluntary Bible classes, 70 of them attending Bible groups in churches. The course on the Old Testament conducted by Professor Dutcher at the Methodist Church and mentioned in the December *Bulletin*, was succeeded by a Survey of the New Testament, conducted in eight lectures by Professor Hewitt and a course on The Church as seen across the Ages, by Professor Kuhns. About fifty men were enrolled in mission study classes and about fifteen in various classes for the study of social service. Among the forms of actual service in which over 50 members of the Association have been engaged, are, neighborhood, gymnasium, library, and boy-scout work, as well as prayer meetings held at the poor farm and at other places. By the employment bureau, conducted by Mr. Logee, from 30 to 35 men have been assisted to obtain remunerative work. The officers for the ensuing year are as follows: President, Harris, '13; Vice-President, Laggren, '13; Secretary, Hall, '14, and Treasurer, Witman, '13.

DEBATE

The debating teams have been eminently successful in the contests of the past year. They have not suffered a single defeat, have secured the verdict of ten out of a possible twelve judges, and might well claim the championship of New England. In the triangular league contests with Amherst and Williams, the question was: Resolved, that United States senators should be elected by direct vote of the people. In each case the home team upheld the affirmative. The Wesleyan team which defeated Amherst at Amherst was composed of Buck, '12, Cornish, '14, and S. W. Murphy, '13, as alternate. That which defeated Williams at

Middletown consisted of Coit, '12, Wallis, '12, with Willoughby, '15, as alternate. The judges at Middletown were Messrs. Alfred Jaretzki and Henry M. Leipziger, of New York City, and Professor Arthur L. Corbin, of Yale University; those at Amherst were Professor Thomas R. Powell of Columbia School of Law, Professor Cranston Brenton, of Trinity College, and Mr. Herbert C. Parsons, Editor of the *Greenfield Record*. In the six years of the existence of the Triangular Debating League, Wesleyan is the first college to win two championships. As the first winner since the purchase of the cup, it is the first to have its name engraved on the cup, which passes permanently to the college that wins the triangular debate thrice in succession.

It has been the custom the past two years for Wesleyan to meet both Bowdoin and New York University in a spring debate. By arranging that these two institutions should also meet each other, another triangular league was formed. In the initial contest Wesleyan was victorious. The question was: Resolved, that for all injuries to employees in American industry, not due to the serious and wilful misconduct of the injured, employers should make compensations in substantial conformity to the schedule of the New York bill of 1910 (constitutionality waived). The judges were as follows: at Middletown, Dean Byron S. Hurlbut, of Harvard University; Professor F. N. Gilman, of Newark, New Jersey; and Mr. Lyman A. Best, of Brooklyn, New York; at Brunswick, Honorable George E. Bird and Reverend Raymond Calkins, of Portland, Maine, and Honorable Harold M. Sewall, of Bath, Maine. In this debate too, the home teams upheld the affirmative. Coit, '12, Rice, '13, and Wallis, '12, with Abraham, '14, as alternate, won from New York University at Middletown, while Buck, '12, Cornish, '14, Willoughby, '15, with Shepherd, '12, as alternate, defeated Bowdoin at Brunswick.

The class debate on the question employed in the December triangular debate was won by the freshman team, composed of Willoughby and White, with MacMullen as alternate. The sophomore contestants were Abraham and Dulany, with Amy as alternate. The judges were Professor Crawford, Dr. Curtis, and Mr. Sherburn. On May 1, the freshmen debated the freshmen of Brown on the negative of the question: Resolved, that women in the United States should receive the suffrage on equal terms with men. The freshman team was composed of Richmond, A. I. Prince, and Brodhead, with Alleman as alternate. The judges, Honorable Edward L. Smith, Mr. George A. Kellogg, and Professor Alfred M. Hitchcock, all of Hartford, awarded the decision to the affirmative.

The Briggs Prize Debate was held on March 9, Wallis, '12, and Willoughby, '15, upholding the affirmative and Coit, '12, and Buck, '12, the negative. The question used in the spring triangular formed the basis of this debate. The prize was unanimously awarded to Buck, '12, by the judges, Senator Thomas J. Spellacy of Hartford, Professor Gustav A. Kleene of Trinity College, and Honorable George B. Chandler of Rocky Hill.

UNIVERSITY NOTES

DINNER TO PRESIDENT SHANKLIN.—On November 10, Stephen H. Olin, LL. D., '65, son of Wesleyan's second president, gave a dinner in honor of President Shanklin at the University Club of New York. About twenty invited guests were present, among them Professor Rice and Professor Winchester.

MYSTICAL SEVEN.—This oldest of the class societies at Wesleyan is building a house on the north side of Wyllys Street, about two hundred feet from High Street. The corner stone was laid shortly after one o'clock on the afternoon of March 20, in the presence of the 1912 delegation, of Goodrich, '99, and of Professors Crawford, Harrington, and Kuhns.

CIVIC ACTIVITIES.—From the presidency of the Twentieth Century Club, founded and placed on a firm basis by himself, Professor Harrington retired at its annual election in February, after having been elected in four successive years. At its June meeting he was presented by the members of the club with a Middletown-made typewriter, the Noiseless, on which was a silver plate suitably engraved.

At the city elections held in January, the term of Professor Fisher as mayor of Middletown came to a close. He was elected first in 1906 and again in 1910, each time for a term of two years. Professor Fife was elected a member of the city council.

JUNIOR EXHIBITION.—The Junior Exhibition was held in Memorial Chapel on April 25. The committee of award consisted of Mr. H. C. Whittlesey, B. A., of Middletown; Professor C. B. Hedrick, of Berkeley Divinity School, and Professor Fauver. Lloyd Preston Rice, of Granby, received first prize for an oration on "The Awakening of China;" William Greene Howells, of Upper Montclair, New Jersey, the second prize, for an oration on "The Centenary of Charles Dickens."

NEW ENGLAND ORATORICAL LEAGUE.—The preliminary contest to select the Wesleyan representative for the annual contest of the New England Oratorical League was held in Memorial Chapel on April 15 and resulted in the selection of Robertson, '12, whose subject was "The Trusts and the Nation." Eaton, '12, who spoke on "The Mission of Grover Cleveland," was chosen as alternate. The other speakers were Coit, '12, Stiles, '13, Fellini, '14, and MacKirdy, '14. The committee of the faculty on public literary exercises acted as judges.

The third intercollegiate contest was held at Brown University, May 2. The judges, Reverend Frank Warfield Crowder of Providence, Rhode Island, Judge Thomas Ives Chatfield of Brooklyn, New York, Dr. Charles Robert Gaston of Richmond Hill, New York, Professor Frederick Tupper, Jr. of University of Vermont, and Dean Henry Lawrence Southwick of Emerson School of Oratory, awarded the first prize to Arthur Deehan Welch of Bowdoin for an oration on the "The Irish Drama." John Henry Williams of Brown received honorable mention for his oration on "An Ishmael Among Nations."

FIRE ALARM BOX.—A fire alarm box, No. 43, has been installed near the roadway, directly in the rear of Judd Hall. Keys are kept at Judd Hall, at the Library, the college office, and at the house of the superintendent of grounds, Mr. Shaw. The installation of this box brings all the buildings of the University within easy reach of help in case of danger from fire and should eliminate the possibility of the recurrence of such a fire as destroyed old North College in 1906.

LABORATORIES OF THE STATE BOARD OF HEALTH.—These laboratories, which are under the directorship of Professor Conn, are steadily increasing their influence. To the routine work of the bacteriological laboratory has been added the diagnosis of cerebral meningitis, the examination of pus for the purpose of determining the use of modern bacterial vaccines, and the diagnosis of glanders. Although the laboratory has been prepared only a few weeks to perform the diagnosis of glanders, there is already a great demand for its services by veterinarians and others interested in the public health. Mr. Robert Victor Story, '12, has been appointed assistant bacteriologist in place of Mr. Mickle.

The routine work of the chemical laboratory consists of the examination of water, sewage, sewage filter effluents, and illuminating oils. In September and October, 1911, the Torrington typhoid epidemic was investigated and the report will be submitted in a short time. It is probable that the water was the source of infection and the cause of 333 reported cases and 34 deaths. Mr. Thomas R. Lathrope has resigned

from the position of assistant chemist and will take charge of the laboratory of the East St. Louis (Illinois) water supply about June 1. His place will be taken by Mr. Friend Lee Mickle, B. A., Allegheny, 1911, who has been in the bacteriological laboratory the past year. State Chemist Newlands has delivered in various parts of the state several lectures on the protection of streams, harbors, and water supply from contamination.

FACULTY NOTES

PRESIDENT SHANKLIN.—In October, President Shanklin attended as delegate the decennial Ecumenical Methodist Conference, held at Toronto, and the inaugurations of the presidents of the University of Vermont, Wellesley College, and Boston University, on October 6, 19, and 20 respectively. He attended the induction of Dr. Elmer E. Brown as chancellor of New York University on November 9.

He has attended the Methodist Educational Association at Meadville, Pennsylvania, January 3-4, 1912, and the University Senate at Syracuse, New York, January 8-9. He has represented the University at the following Alumni Association dinners: Philadelphia, November 2; Eastern New York at Albany, December 21; Connecticut Valley at Hartford, January 17; New York City, January 19; New England at Boston, February 15; Washington, March 2; St. Paul, Minnesota, March 5; Springfield, Massachusetts, April 10; and Wyoming Valley at Wilkes-Barre, Pennsylvania, April 15.

He has also visited the following conferences and presented at each the interests of Wesleyan: New York, New York East, Newark, New England Southern, New England, and Troy.

On February 1, President Shanklin acted as toastmaster at the annual banquet of the Middletown Business Men's Association.

PROFESSOR RICE.—Professor Rice is on leave of absence for the year. He attended the inauguration of President Murlin of Boston University, October 20, 1911, as delegate from Wesleyan University. He also attended the meeting of the New England Association of Colleges and Preparatory Schools, at Cambridge, in October; and participated in the Intercollegiate Geological Excursion of the Colleges of Southern New England, which was this year under the guidance of Professor Lane of Tufts College. In November he attended the meeting of the State Council of the Federation of Churches in Connecticut, of which he is president. He also attended, December 26-29, 1911, at Washington,

D. C., the meetings of the Geological Society of America, of which he was vice-president. In January he and Mrs. Rice sailed for Italy. In April, they visited Florence and several other Italian cities, and later spent a short time among the Italian lakes and also in the Alps. In June they expect to go to London and later to Wales. They plan to sail for America on July 30.

PROFESSOR CONN.—Professor Conn is chairman of a sub-committee of the National Commission of Milk Standards. His committee has been charged with the task of reporting upon microscopic methods of the study of milk. The report of the Commission has just been issued by the United States Government as No. 19 of volume 27 of Public Health Reports issued by the Public Health and Marine Hospital Service.

PROFESSOR ARMSTRONG.—Professor Armstrong is on leave of absence this year, but he remained at the University during the autumn and conducted the course in logic. In December he attended the meeting of the American Philosophical Association at Harvard and presented a paper on "The Meaning of Evolution." On January 10, with Mrs. Armstrong and their younger son, he sailed for Naples, planning to spend the remainder of the winter in Italy. In April he journeyed northward for the summer semester at the German universities, Munich, Heidelberg, Jena, and Berlin. He expects to spend his mid-summer vacation in Switzerland and to reach Middletown early in September.

PROFESSOR BRADLEY.—Professor Bradley has been granted leave of absence for the next college year. He will devote the year to the work of organizing a department of research for the United States Rubber Goods Company. His headquarters will be at New Brunswick, New Jersey, and he plans to enter upon his new duties July 1.

PROFESSOR CADY.—Professor Cady has been in collaboration with Dr. F. G. Benedict, Director of the Nutrition Laboratory of the Carnegie Institution of Washington, in the investigation of certain phenomena connected with the bicycle ergometer. The results of this work will be published shortly by the Carnegie Institution.

PROFESSOR HOWLAND.—Professor Howland represented the University at the Congress of Technology held on April 10-11, 1911, by the Massachusetts Institute of Technology to celebrate the fiftieth anniversary of its founding.

PROFESSOR WHITNEY.—Professor Whitney, from July 1 to August 15, 1911, occupied a research room at Woods Hole, Massachusetts, which was granted to him from the Marine Biological Laboratory. On August 8, 1911, he was elected to membership in the Corporation of the Marine Biological Laboratory. In October, 1911, he was appointed one of the assistant editors of the *Biochemical Bulletin*.

SUMMER COURSES.—Professor Heidel will give two courses at the University of Chicago, one for graduates, one for undergraduates. Professor Dutcher is to give two courses at Cornell University, one on the growth of the British empire, the other on the Napoleonic era.

MEETINGS ATTENDED.—There follows a statement of the more important meetings attended by the various members of the faculty.

PROFESSOR WINCHESTER.—New England Conference on College Entrance Requirements in English (of which he is president), Simmons College, Boston, Massachusetts, January 13, 1912.

National Conference on College Entrance Requirements in English, Columbia University, New York City, February 21–22 and May 30, 1912.

PROFESSOR CRAWFORD.—American Physical Society, Columbia University, New York City, March 2, 1912.

PROFESSOR CONN.—Sessions of the National Commission of Milk Standards (of which he is a member) in New York City, May 22 and October 5–6, 1911, and January 25–26, 1912; in Homer, New York, January 24, 1912.

Society of American Bacteriologists, Washington, December 27–29, 1911.

PROFESSOR MEAD.—American Dialect Society, University of Chicago, December 28, 1912 (reëlected secretary.)

PROFESSOR HARRINGTON.—Western Massachusetts section of the New England Classical Association, Pittsfield, Massachusetts, October 7, 1911; New England Association of Colleges and Preparatory Schools, at Cambridge, Massachusetts, October 13–14, 1912; Connecticut State Teachers' Association, Hartford, October 27, 1911; Annual meeting of the Maine Wesleyan University Club, and the Maine Conference of the Methodist Episcopal Church, both at Lewiston, Maine, March 29, 1912; New England Classical Association, New Haven, April 12–13, 1912; and the Conservation Congress of the Men and Religion Forward Movement, New York City, April 22–24, 1912.

MR. JAMES.—Connecticut Library Association, New Haven, December 7, 1911, and Hartford, February 29, 1912.

PROFESSOR NICOLSON.—Sixth Annual Convention of the National Collegiate Athletic Association, New York City, December 28, 1911 (relected secretary-treasurer). Semi-annual meeting of the College Entrance Examination Board, New York City, April 13, 1912, meeting with the Committee of Review, April 12, 1912. Committee on Schools of the New England College Entrance Certificate Board, Boston, Massachusetts, April 18, 1912; and annual meeting of that board (of which he is president), May 10, 1912. Association of Administrative Officers of the New England Colleges at Dartmouth College, Hanover, New Hampshire, May 8-9, 1912. Association of New England Colleges for Conference on Athletics, Boston, Massachusetts, May 10, 1912.

PROFESSOR HEIDEL.—Classical Association of New England, New Haven, April 12-13, 1912; Managing Committee of American School at Athens, New York City, May 11, 1912.

PROFESSOR DODGE.—American Psychological Association, Washington, December 27-29, 1911. Meeting of the Experimental Psychologists, Worcester, Massachusetts, April 15-17, 1912.

PROFESSOR CADY.—American Physical Society, Columbia University, New York City, March 2, 1912, and Harvard University, Cambridge, Massachusetts, April 27, 1912.

PROFESSOR DUTCHER.—New England History Teachers' Association, at Boston, Massachusetts, October 21, 1911, and at Springfield, Massachusetts, April 20, 1912. American Historical Association, Buffalo and Ithaca, New York, December 27-30, 1911.

PROFESSOR HEWITT.—Classical Association of New England, New Haven, April 12-13, 1912.

PROFESSOR FAUVER.—Meeting of football officials for the interpretation of rules, New York City, September 26, 1911; Athletic Research Society, New York City, January 27, 1912; National Collegiate Athletic Association, New York City, January 28, 1912; meeting of the directors of college gymnasiums, New York City, January 29, 1912; Association of New England Colleges for Conference on Athletics, Boston, Massachusetts, May 10, 1912.

PROFESSOR HOWLAND.—American Mathematical Society, New York City, December 27-28, 1911, and April 27, 1912.

PROFESSOR CAMP.—American Mathematical Society, New York City, October 28 and December 27–28, 1911, and April 27, 1912.

PROFESSOR WHITNEY.—American Society of Zoölogists and American Society of Naturalists, Princeton, New Jersey, December 26–29, 1911.

DR. BLAIR.—American Historical Association, Buffalo and Ithaca, New York, December 27–30, 1911.

DR. RENSHAW.—American Chemical Society, Indianapolis, Indiana, June 28–July 1, 1911, and Washington, December 27–30, 1911.

DR. LAMOND.—American Mathematical Society, New York City, April 27, 1912.

MISS EASTMAN.—Joint meeting of the Ohio and Michigan Library Associations, Cedar Point, Ohio, September 2–8, 1911; New York State Library Association, New York City, September 25–30, 1911; Connecticut Library Association, Hartford, February 29, 1912.

UNDERGRADUATE NOTES

SOCIAL STUDY CLUB.—For the study of social problems and current events the Social Study Club was organized in December, 1911, with about sixty charter members. The meetings, held bi-weekly, are devoted to lectures or discussions. For purposes of organization a charter was obtained from the Intercollegiate Socialistic Society, which has thirty-four chapters in the colleges and universities of the United States, and has furnished a lecturer to the Social Study Club. The club sent its only avowed socialist to the convention of the society, which was held in New York City, December, 1911. The officers of the club are: President, Coit, '12; Vice-President, Hancock, '13; Secretary-Treasurer, Bell, '12.

NO-DEAL AGREEMENT.—The student body of Wesleyan University has entered into a no-deal agreement, by which each man agrees upon his honor that neither as a fraternity man nor as an individual will he "enter into any 'deal' or combination in regard to the support of any undergraduate for any undergraduate activity" and will report in writing to the Senate any suspected violation of such pledge. This agreement became binding only when signed by four-fifths of the undergraduates and is to be brought up for ratification annually within one month of the opening of the college year. Until that time the agreement of the preceding year is to be held binding.

DORMITORY REGULATIONS.—At a meeting of the occupants of North College and Observatory Hall on March 22, a committee of nine men was chosen to have in charge the maintenance of proper order in the dormitories, general regulations were adopted, and the occupants agreed to aid their committee to the best of their ability.

PRESS CLUB.—The Press Club has been reorganized this year, and vigorous efforts have been made to get the University properly represented in the newspapers. Every month business meetings are held, at which the members present reports on their work. To train the members of the club and any others who are interested in press work, W. S. Wallace, '04, has been giving instruction in newspaper style at weekly meetings. The officers are: President, Crowther, '12; Vice-President, S. W. Murphy, '13; Secretary-Treasurer, Nichols, '13.

DRAMATIC ASSOCIATION.—"You Never Can Tell," by Bernard Shaw, was presented on May 9, in Middletown. No out of town trip is planned this year.

COMMONS CLUB.—Early in January the Commons Club reentered upon the occupancy of the Foss House, renovated and enlarged after the fire of last September. The parlors and veranda have been enlarged, a new fireplace has been installed in the living room, and a large assembly room with a stage, suitable for the annual dramatic performances of the Club, has been added. The public rooms and the studies are supplied with mission furniture. Practically all the students' rooms have been converted from suites into single rooms. On January 13 the Club exhibited its new quarters by tendering a reception to the faculty, undergraduates, and townspeople.

The Club has added to its constitution two articles, one providing that no individual nor general initiation shall take place prior to December 1; the other, that all initiates shall pledge themselves not to join any other fraternity or similar club at Wesleyan University.

On April 1, the annual convention of the National Federation of Commons Clubs was entertained by the Wesleyan Chapter, which is the parent of the national organization. Delegates were in attendance from Tufts, Union, Colby, and Syracuse, besides representatives from several other clubs that wish to affiliate with the Federation.

On the evening of April 1, about one hundred and fifty, including the faculty and other invited guests, witnessed the annual dramatic performance of the Club. The play presented was Bernard Shaw's "Arms and the Man."

UNIVERSITY SERMONS, LECTURES, AND ADDRESSES

SERMONS, BACCALAUREATE SUNDAY, FIRST METHODIST EPISCOPAL CHURCH:

June 18, 1911.—President Shanklin: "Quit you like men."—I Corinthians 16, 13.

Reverend Alexander Harrison Tuttle, D. D., '66: "Never man spake like this man."—John 7, 46.

SEMI-CENTENNIAL CELEBRATION OF THE ARMY AND NAVY UNION, MEMORIAL CHAPEL:

June 18, 1911.—Historical Address, Honorable George Carr Round, '66.

Ideals in Peace and War, Honorable Watson Carvosso Squire, '59.

The Compensations of the Civil War, Reverend George Preston Mains, D. D., '70.

PREACHERS AT VESPER SERVICES, MEMORIAL CHAPEL:

1911

- September 24. Reverend Laress John Birney, S. T. D., Dean of Boston University School of Theology.
- October 1. Professor John Alfred Faulkner, D. D., of Drew Theological Seminary.
- " 8. Reverend Jacob Augustus Cole, D. D., '87, of Passaic, N. J.
- " 15. Reverend James Mudge, D. D., '65, of Malden, Mass.
- " 22. Reverend Olin Burr Coit, D. D., '77, of Lawrence, N. Y.
- " 29. Reverend Daniel Dorchester, D. D., '74, of Brooklyn, N. Y.
- November 5. Mr. Irving Bacheller, L. H. D., of Riverside, Conn.
- " 12. Reverend Jacob Francis Cooper, D. D., '83, of Brockton, Mass.
- " 19. Reverend Fairbank Barnes Stockdale, D. D., of Asbury Park, N. J.
- " 26. Reverend Benjamin C. Lippincott, Jr., D. D., of Mattewan, N. J.
- December 3. Reverend Charles L. Mead, D. D., of Baltimore, Md.
- " 10. Reverend Edwin Sloan Tasker, '90, of Tilton, N. H.
- " 17. Bishop Edwin Holt Hughes, LL. D., of San Francisco, Cal.

1912

- January 7. Professor George Albert Coe, Ph. D., of Union Theological Seminary.

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| January | 14. | Reverend Edmund Grindal Rawson, of Ardmore, Pa. |
| " | 21. | Reverend Allan MacRossie, D. D., of New York City. |
| " | 28. | Reverend Charles Francis Rice, D. D., '72, of Roxbury, Mass. |
| February | 7. | Reverend David Howard Tribou, D.D., of Bucksport, Me. |
| " | 11. | Professor Henry Burt Wright, Ph.D., of Yale University. |
| " | 18. | Professor William Joseph Thompson, of Drew Theological Seminary. |
| " | 25. | President Albert Parker Fitch, Ph. D., of Andover Theological Seminary. |
| March | 3. | Reverend John Robertson Henry, D. D., '98, of New York City. |
| " | 10. | Reverend Fred Winslow Adams, D. D., of Schenectady, N. Y. |
| " | 17. | Reverend Warren French Sheldon, '99, of New York City. |
| " | 24. | Reverend James Edward Holmes, D. D., of Brooklyn, N. Y. |
| " | 31. | Reverend Harry Harvey Beattys, '88, of Mt. Vernon, N. Y. |
| April | 14. | Reverend Ambrose White Vernon, D. D., of First Congregational Church, Brookline, Mass. |
| " | 21. | President John Hanson Thomas Main, Ph. D., of Grinnell College. |
| " | 28. | Reverend George Cleaton Wilding, D. D., of Newark, N. J. |
| May | 5. | Reverend Elmer Addison Dent, D. D., of New Haven, Conn. |
| " | 12. | Reverend Lewis Marshall Lounsbury, '94, of Albany, N. Y. |
| " | 19. | Reverend Howard Melish, D. D., Rector of Holy Trinity Church, Brooklyn, N. Y. |
| " | 26. | Reverend Robert Rogers, Ph. D., Rector of Church of the Good Shepherd, Brooklyn, N. Y. |
| June | 2. | Professor Robert William Rogers, Ph. D., of Drew Theological Seminary. |
| " | 9. | Professor Albert Cornelius Knudson, D. D., of Boston University School of Theology. |

ADDRESSES BEFORE THE CHRISTIAN ASSOCIATION, MEMORIAL CHAPEL:

March 4-8, 1912.—Reverend Fred Winslow Adams, Schenectady, New York:

The New Religion.

The New Birth.

The New Light on an Old Sin.

The New Meaning in the Old Temptation.

March 6, 1912.—Reverend Howard Agnew Johnston, Stamford: The Christian at Work.

FINAL CHAPEL EXERCISES, MEMORIAL CHAPEL:

June 19, 1911.—Review of the Year:

President Shanklin: The University.

Frank Raymond Marsh, '11: The Student at Work.

Joe Morningstar, Jr., '11: The Student at Play.

Honorable Theodore E. Hancock, LL. D., '71: Wesleyan University at Forty and at Eighty.

ORATION BEFORE PHI BETA KAPPA, MEMORIAL CHAPEL:

June 20, 1911.—Professor Frederick Morgan Davenport, '89: Democracy and Sovereignty in the United States.

TOASTS, COMMENCEMENT LUNCHEON, FAYERWEATHER GYMNASIUM:

June 20, 1911.—Reverend Andrew Gillies, '95, *Toastmaster*.

Roswell Sargeant Douglass, '61: Post-Graduate Education at the Front.

Chancellor William Waugh Smith, LL. D.: A Long Lost Sister.

Reverend Frank Edwin Williams, '86: The Class of '86.

William Walter Wilcox, Williams, '85: Entente Cordiale.

John Gribbel: Standards.

President Shanklin: Wesleyan.

TOASTS, WASHINGTON'S BIRTHDAY BANQUET, FAYERWEATHER GYMNASIUM:

February 22, 1912.—Professor George Hubbard Blakeslee, '93, *Toastmaster*.

President Shanklin: Wesleyan University.

John Baker Hanna, '12: The Undergraduates.

Professor Fauver: Athletics.

George Gordon Douglass, '08: Boston Alumni.

Professor Dutcher: The Faculty.

John Edward Eustis, '74: The Alumni.

Honorable Darwin Pearl Kingsley: Our Guest.

LECTURES IN MEMORIAL CHAPEL:

December 7, 1911.—Dr. F. N. Seerley, Springfield, Massachusetts:
Sex Problems for College Men.

March 5, 1912.—Mr. Edwin D. Mead of Boston, Secretary of the
American Peace Foundation: The United States and the United
World.

April 18, 1912.—Reverend Homer Clyde Stuntz of New York City:
The Missionary Vision.

TALKS BEFORE INFORMAL MEETINGS OF THE COLLEGE BODY:

(*President*, John Baker Hanna, '12; *Secretary-Treasurer*, Richard
William Eaton, '12.)

November 4, 1911.—Dr. Irving Bacheller: The Cheerful Yankee, Phi
Nu Theta House.

November 24, 1911.—Honorable Leslie Mortier Shaw: The College
Man's Prospects, Alpha Delta Phi House.

December 6, 1911.—Bishop William Alfred Quayle: Dr. Jekyll and
Mr. Hyde, Psi Upsilon House.

January 18, 1912.—Honorable William Renwick Riddell, His Majesty's
Justice to the Province of Ontario: The Fifth Act, Delta Kappa Epsilon
House.

February 10, 1912.—Dr. Irving Samuel Haynes, '85, of Cornell Medi-
cal College: The Opportunities in the Medical Profession for College
Graduates, Alpha Delta Phi House.

March 9, 1912.—Reverend Fred Winslow Adams, of Schenectady, New
York: James Whitcomb Riley, Psi Upsilon House.

April 19, 1912.—Reverend Nathaniel Walling Clark, '79, of Rome:
The Lure of Rome, Delta Kappa Epsilon House.

May 6, 1912.—Professor John Wesley Wetzels: Miscellaneous Readings,
Psi Upsilon House.

LECTURES BEFORE THE DEPARTMENT OF PHILOSOPHY, FISK HALL:

October 14, 1911.—Professor Max Verworn, University of Bonn: Sleep.

December 5, 1911.—Professor G. S. Painter, Clark University: Phil-
osophy and Life.

LECTURES BEFORE THE CLASSICAL CLUB:

(*President*, Eugene Shepherd Clark, '13; *Secretary*, Erlund Kenneth
French, '13.)

November 16, 1911.—Professor Harrington, Mantuan.

December 14, 1911.—Professor Nicolson, A Visit to Baiae.

February 15, 1912.—Professor Hewitt, Research Work in the Graduate School.

March 21, 1912.—Professor Heidel, Recent Additions to Greek Literature from the Discovery of Papyri.

LECTURES BEFORE DER DEUTSCHE VEREIN:

(*President*, Arthur Harder Van Voris, '12; *Secretary*, Paul Burt, '13.)

October 7, 1911.—Mr. Howard Wadsworth Church of University of Berlin: Ein Amerikaner in Berlin.

November 4, 1911.—Dr. Axel Ebenezer Vestling of Yale: Eine Harzreise.

November 18, 1911.—Dr. W. H. Worrell of Hartford Theological Seminary: Einige Reisen in Deutschland.

December 16, 1911.—Pastor Ernest Friedrich Hingkeldey of Middletown: Weihnachtsitten in Deutschland.

January 6, 1912.—Mr. Emil Schmidt of Hartford: Erinnerungen an Weimar.

January 20, 1912.—Professor Hollon Augustine Farr of Yale: Ferienausflüge der deutschen Studenten.

February 3, 1912.—Pastor Lothar Brunke of Waterbury: Aus meiner Studienzeit.

March 2, 1912.—Professor Otto Manthey-Zorn of Amherst: Die Reichstagswahlen von 1912.

March 16, 1912.—Professor Fife: Deutsche Universitätsstädte.

April 20, 1912.—Professor Rudolf Tombo, Jr., of Columbia: Deutsche und americanische Universitäten. Ein Vergleich.

May 4, 1912.—Mr. Isaac Bauer of Middletown: Handel und Industrie in Deutschland.

LECTURES BEFORE LA SOCIÉTÉ FRANÇAISE:

(*President*, Henry Virginius Leonard, '12; *Secretary*, Ernest Putnam Clark, '14.)

November 23, 1911.—Professor Kuhns: Maeterlinck et l'Oiseau Bleu.

January 15, 1912.—Mr. Mann: Le Théâtre Français pendant son Enfance.

February 26, 1912.—Mr. Paul Burt, '13: Un Voyage à travers la Norvège, la Suède et la Russie.

March 25, 1912.—Mr. Thomas Alfred Courchesne, '15: Le Mexique d'aujourd'hui.

May 7, 1912.—Mr. Eugene Shepard Clark, '13: Le Romantisme Français démontré spécialement par Victor Hugo.

LECTURES BEFORE THE SOCIAL STUDY CLUB:

(*President*, Carl Scott Coit, '12; *Secretary*, Harry William Bell, '12.)

December 11, 1911.—Professor Fisher: Socialism.

January 18, 1912.—Mr. Ellis O. Jones, of the New York *Life*: Socialism,—a Prophecy.

April 11, 1912.—Reverend Hiram Wooster Smith of Middletown: Can a Socialist be a Christian?

LECTURES BEFORE THE MIDDLETOWN SCIENTIFIC ASSOCIATION, SCOTT LABORATORY:

(*President*, Professor Cady; *Secretary*, Dr. Renshaw.)

June 13, 1911.—Professor Dodge: New Methods of Studying the Contraction of the Human Heart.

October 10, 1911.—Mr. Herbert Keightly Job, State Ornithologist of Connecticut: The Restoration of Bird Life.

November 14, 1911.—Professor Arthur Woolsey Ewell of Worcester Polytechnic Institute: The Earth's Atmosphere.

December 12, 1911.—Professor Cady: Atoms of Electricity.

January 9, 1912.—Dr. Willis Rhodney Whitney of the General Electric Company, Schenectady, New York: Research Laboratory Notes.

February 13, 1912.—Professor Heidel: The Beginnings of Science.

March 12, 1912.—Professor Howland: Safeguards of Ocean Travel.

April 16, 1912.—Professor Whitney: The Significance and Value of Sex.

May 14, 1912.—Mr. Elijah Kent Hubbard, Jr., of Middletown: Cotton and Some of Its Uses.

PAPERS AND TALKS BEFORE THE APOSTLES' CLUB:

(*President*, Professor Kuhns; *Secretary*, Dr. Curts.)

October 20, 1911.—Professor Harrington: Reflections of Publius Plotius Romanus.

November 17, 1911.—Professor Fisher: The Present Status of Socialism.

December 19, 1911.—Professor Fife: Some Observations on the Social Revolution in England.

January 19, 1912.—Reports from meetings of learned societies.

February 7, 1912.—Professor Nicolson: "The Haunted House," a translation and discussion of Plautus' "Mostellaria."

March 15, 1912.—Dr. Raymond: Rudolf Eucken's Philosophy.

April 19, 1912.—Professor Dutcher: The Judiciary of the United States.

May 10, 1912.—Mr. Gillet: George Meredith's Poetry of Earth and Man.

FACULTY LECTURES AND PUBLICATIONS

PRESIDENT SHANKLIN.—*Addresses and Sermons*.—Closing exercises of Middletown High School, June 14, 1911; Matriculation address at the opening chapel service of the University, September 21, 1911; Re-opening of First Church, Wilkes-Barre, Pennsylvania, October 1, 1911; Dinner of the New York Hamilton College Alumni, January 12, 1912; Wesley Church, Springfield, Massachusetts, January 28, 1912; Yale University Alumni Association of New Haven, February 5, 1912; Lawrenceville School, Lawrenceville, New Jersey, February 18, 1912; Knights Templar, Grand Commandery of Connecticut, Middletown, March 18, 1912.

PROFESSOR WINCHESTER.—*Lectures*.—The Philosophy of Browning. New York Browning Society, Waldorf-Astoria, New York City, May 8, 1912.

Browning in the Twentieth Century. Methodist Social Union, Boston, Massachusetts, May 20, 1912.

Three lectures in a course established by Mrs. Spencer Trask, Saratoga Springs, New York, October 17, 18, 19, 1911.

Lectures before the Library School, Public Library, New York City, January 16, 1912; before the English Teachers' Conference, Dartmouth College, Hanover, New Hampshire, May 17, 1912; in Waterbury, Winsted, and before various schools.

PROFESSOR CONN.—*Lectures*.—Physiological Self Reliance. Middlesex County Education Society, Middletown, January 19, 1912.

Mile Stones in Sanitary Science. Middletown-Meriden group of the Epworth League, Middletown, January 19, 1912; also The Cliff Dwellers' Club, Montclair, New Jersey, February 9, 1912.

The Milk Consumer and the Milk Problem. Hotel Astor, New York City, January 26, 1912.

The Modern Milk Problem. Social Service League, Middletown, March 29, 1912.

The Relation of Health Officers to the Suppression of Glanders. Sixth Sanitary Conference, Hartford, April 3, 1912.

Addresses before the following schools: Fitchburg High School, Fitchburg, Massachusetts; Oneonta High School, Oneonta, New York; Montclair High School, and Montclair Academy, Montclair, New Jersey.

PROFESSOR MEAD.—*Lectures*.—Two courses of lectures on the Sources of Chaucer and the Theory of English Composition. Summer Session of Columbia University, July and August, 1911.

A Method of Teaching English Composition. Connecticut State Teachers' Association, Hartford, October 27, 1911.

The Mystery of English Grammar. Middlesex County Education Society, Middletown, January 19, 1912.

Publications.—Coöperation in the Work of the Dialect Society. *Dialect Notes*, v. 3, pp. 487-488.

Review of Sparrow's Stories and Rhymes in Melville Bell Symbols. *Dialect Notes*, v. 3, pp. 489-490.

Selections from Malory's *Morte Darthur*, revised and enlarged edition. Pp. cxii, 350. Boston, Ginn and Company, 1912.

Editor of *Dialect Notes*, v. 3, parts 1-6.

PROFESSOR HARRINGTON. — *Lectures.* — Cicero's Villas. Western Massachusetts Section of the New England Classical Association, Pittsfield, Massachusetts, October 27, 1911.

Intelligent Reading of the Classics. Connecticut State Teachers' Association, Hartford, October 27, 1911.

A Roman Boy. Westfield High School, Westfield, Massachusetts, December 22, 1911; St. Andrew's School, Concord, Massachusetts, February 20, 1912.

Some Representative Types of Roman Art. High School, Middletown, January 5, 1912.

Dangers Threatening Modern Civilization, Winsted, January 30, 1912.

Three lectures in the public lecture series of the Board of Education, New York City, April 22, 23, and 24.

Publications.—Protases—Category vs. Fact (abstract). *Proceedings of the American Philological Association*, v. 41, p. xl.

What Shall our Children Sing? *Zion's Herald*, v. 89, p. 1451, November 15, 1911.

The Ideal Superintendence. *Christian Advocate*, v. 87, p. 17, January 4, 1912.

Protases—Category vs. Fact. *Classical Weekly*, v. 5, p. 114, February 3, 1912.

PROFESSOR NICOLSON.—*Lectures.*—The Certificate System in New England. American Institute of Instruction, Providence, Rhode Island, June 30, 1911.

Recent Changes in the Rules of the New England College Entrance Certificate Board. New England Association of Colleges and Preparatory Schools, Cambridge, Massachusetts, October 13, 1911.

Olympic Games, Ancient and Modern. High School, Middletown, March 29, 1912.

Publications.—Alumni Record of Wesleyan University, Fourth Edition. Pp. lxiii, 931. New Haven, The Tuttle, Morehouse and Taylor Company, 1911.

The Certificate System in New England. *Educational Review*, v. 42, pp. 486-503, December, 1911.

Recent Changes in the Rules of the New England College Entrance Certificate Board. *Education*, v. 32, pp. 261-265, January, 1912.

PROFESSOR BRADLEY.—*Lectures.*—Liquid Air. Storrs Agricultural College, Storrs; Williston Seminary, Easthampton, Massachusetts; Cheshire School, Cheshire; Taft School, Watertown; High School, Red Bank, New Jersey; at Worcester and Somerville, Massachusetts, and at Derby and Colchester.

Heroes of the Coast. Cheshire School, Cheshire, and at Middletown.

The Action of Ammonia upon Ammonium Thiocyanate. Connecticut Valley Section of the American Chemical Society, Hartford, October 7, 1911.

The Liquefaction of Helium by Kammerlingh-Onnes. Connecticut Valley Section of the American Chemical Society, Hartford, March 2, 1912.

Publication.—Action of Ammonia upon Ammonium Thiocyanate (with W. B. Alexander). *Journal of the American Chemical Society*, v. 34, pp. 15-24, January, 1912.

PROFESSOR KUHN.—*Lectures.*—L'America e la sua Storia, address to the Italians of Middletown. High School, February 27, 1912.

Publications.—Maeterlinck the Mystic. *Methodist Review*, v. 94, pp. 41-50, January-February, 1912.

The German and Swiss Settlements of Colonial Pennsylvania: A Study of the So-called Pennsylvania Dutch, Chapters I-III. *Penn Germania*, v. 13, pp. 288-320, April, 1912.

PROFESSOR HEIDEL.—*Publications.*—Antecedents of Greek Corpuscular Theories. *Harvard Studies in Classical Philology*, v. 22, pp. 111-172, 1911.

Review of Bruno Bauch's Das Substanzproblem in der griechischen Philosophie bis zur Blütezeit. *Philosophical Review*, v. 20, pp. 434-437, July, 1911.

Note on Merbach's *De Epicuri Canonica*. *Berliner Philologische Wochenschrift*, Sp. 1046, August 19, 1911.

Review of Greenwood's Aristotle, Nicomachean Ethics. Book Six. *Classical Philology*, v. 7, pp. 122-123, January, 1912.

Review of Adam's The Vitality of Platonism and Other Essays. *American Journal of Philology*, v. 33, pp. 91-95, January-March, 1912.

Review of Pascal's *Epicurei e Mistici*. *American Journal of Philology*, v. 38, p. 115-116, January-March, 1912.

On Anaximander. *Classical Philology*, v. 7, pp. 212-234, April, 1912.

Review of Vahlen's *Gesammelte philologische Schriften*. *Classical Philology*, v. 7, pp. 255-257, April, 1912.

PROFESSOR DODGE.—*Lectures*.—Two courses of lectures on Elementary Psychology and Analytic Psychology. Summer Session of Columbia University, July and August, 1911.

The Nature and Limitations of Introspection. Two New Sphygmograph Recorders. American Psychological Association, Washington, December 28-29, 1911.

Mental Work. Meeting of Experimental Psychologists, Worcester, Massachusetts, April 15, 1912.

Publications.—Visual Motor Functions (a review of recent literature). *Psychological Bulletin*, v. 8, pp. 382-5, November 15, 1911.

The Theory and Limitations of Introspection, *American Journal of Psychology*, v. 23, pp. 214-229, April, 1912.

PROFESSOR CADY.—*Lectures*.—Notes on the Electric Arc. Physics Club, Yale University, New Haven, May 23, 1911.

Die Elektrische Beleuchtung, Jugendverein, German Lutheran Church, Waterbury, November 2, 1911.

Magnetic Reactions produced by a Copper Disk Rotating between the Poles of a Magnet. American Physical Society, Columbia University, New York City, March 2, 1912.

Rotations in the Metallic Arc. American Physical Society, Cambridge, Massachusetts, April 27, 1912.

Publications.—Color Dispersion in the Astigmatic Eye. *Science*, v. 34, pp. 26-28, July 7, 1911.

Isolierte Doppelklemmen. *Physikalische Zeitschrift*, v. 12, pp. 1254-1255, December 15, 1911.

PROFESSOR FIFE.—*Lectures*.—Old German Towns. Baptist Church, Middletown, January 18, 1912.

Gerhart Hauptmann as Dramatist of the Proletariat. Connecticut Modern Languages Association, Yale University, New Haven, March 26, 1912.

Also lectures before the high schools of Scranton and Wilkes-Barre, before Wyoming Seminary, Kingston, and Williamsport-Dickinson Seminary, Williamsport, Pennsylvania.

Publication.—The German Romantic "Märchen." *Modern Philology*, v. 9, pp. 239-257, October, 1911.

PROFESSOR DUTCHER.—*Publications.*—A Syllabus of Eight Lectures on the History of the Old Testament and its Times. Pp. 4. [Middletown, 1911.]

Directions and Suggestions for the Writing of Essays or Theses in History. Pp. 15. Middletown, 1911.

Review of Lanzac de Laborie's Paris sous Napoléon: Tome VII, Le Théâtre-Français. *American Historical Review*, v. 16, pp. 854-855, July, 1911.

Review of Chuquet's Lettres de 1815, and Lettres de 1812. *American Historical Review*, v. 17, pp. 136-138, October, 1911.

Review of Vicomte du Motey's Un Héros de la Grande Armée, Jean-Gaspard Hulot de Collart (1780-1854). *American Historical Review*, v. 17, pp. 661-662, April, 1912.

PROFESSOR HEWITT.—*Lectures.*—Ideals in Education. Monmouth, Maine, August 16, 1911.

Lectures at Maine Wesleyan Seminary, Kents Hill, Maine, and Tilton Seminary, Tilton, New Hampshire.

Publications.—The Necessity of Ritual Purification after Justifiable Homicide. *Transactions of the American Philological Association*, v. 41, pp. 99-113.

The Efficiency of the Student of Greek. *Nation*, v. 91, pp. 210-211, September 7, 1911.

PROFESSOR HOWLAND.—*Lectures.*—Points of Undulation of Algebraic Plane Curves. American Mathematical Society, New York City, December 28, 1911. Abstract published in *Bulletin of the American Mathematical Society*, v. 18, p. 226.

Binary Conditions for Singular Points on a Cubic. American Mathematical Society, New York City, April 27, 1912.

Publications.—A Solution of the Biquadratic Equation. *American Mathematical Monthly*, v. 18, pp. 102-109, May, 1911.

Note on the Derivative of the Quotient of two Wronskians. *American Mathematical Monthly*, v. 18, pp. 219-221, December, 1911.

A Type of Homogeneous Linear Differential Equation. *Annals of Mathematics*, Second Series, v. 13, pp. 114-120, March, 1912.

PROFESSOR CAMP.—*Lectures.*—Series of LaPlace's Functions. American Mathematical Society, New York City, October 28, 1911.

Certain Integrals Containing a Parameter. American Mathematical Society, New York City, April 27, 1912.

Publications. Series of LaPlace's Functions. *Bulletin of the American Mathematical Society*, Second Series, v. 18, pp. 236-243, 1912.

PROFESSOR WHITNEY.—*Lectures.*—Reinvigoration Produced by Cross Fertilization in *Hydatina senta*. American Society of Zoölogists, Princeton, New Jersey, December 29, 1911. Abstract published in *Science*, v. 35, p. 474, March 22, 1912.

The Problem of Sex. Trinity College, Hartford, May 17, 1912.

Publications.—The Effects of Alcohol not Inherited in *Hydatina senta*. *American Naturalist*, v. 46, pp. 41-56, January, 1912.

"Strains" in *Hydatina senta*. *Biological Bulletin*, v. 22, pp. 205-218, March, 1912.

Reinvigoration Produced by Cross Fertilization in *Hydatina senta*. *Journal of Experimental Zoölogy*, v. 12, pp. 337-362, April, 1912.

MR. WETZEL.—*Lectures.*—Abraham Lincoln. Seymour, February 12, 1912.

Academic Debate in the Curriculum of a College. Public Speaking Conference of the New England and North Atlantic States, University of Pennsylvania, Philadelphia, April 6, 1912.

The Farmington Canal. New Haven, April 12, 1912.

Vocal Culture and Reading. New Britain State Normal School, May 3, 10, and 24, 1912.

Public Readings.—"Humorous and Dramatic Literature." Calvary Methodist Episcopal Church, New York City, also at Bristol, Middlefield, Bridgeport, and Stony Creek.

"Enoch Arden." Hartford Theological Seminary, Hartford, also at New Haven and Bridgeport.

"Nicholas Nickleby." Cheshire School, Cheshire; Pawling School, Pawling, New York.

Publication.—The Lawyer before a Jury. *Yale Law School Shingle*, 1912.

DOCTOR RENSHAW.—*Lectures.*—On the Derivatives of Choline (second paper). American Chemical Society, Indianapolis, Indiana, June 29, 1911.

The Action of Trimethyl Amine on Alkylhalides. Connecticut Valley Section of the American Chemical Society, Hartford, November 4, 1911.

The Stability of Choline and its Relation to Nerve Degeneration. Connecticut Valley Section of the American Chemical Society, December 2, 1911.

The Physiological Behavior of Pure Preparations of Choline, (third paper). (With E. P. Underhill and L. B. Mendel.) Society for Pharmacology and Experimental Therapeutics. Baltimore, Maryland, December 29, 1911.

Studies in the Methods of Preparation of Diglycerides. American Chemical Society, Washington, December 30, 1911.

Investigation of Choline and its Derivatives (fourth paper). American Chemical Society, Washington, December 30, 1911.

MR. SHERBURN.—*Publications.*—Reviews of Cairns' Selections from Early American Writers, 1607-1800, and Halleck's History of American Literature. *School Review*, v. 20, pp. 129-131, February, 1912.

DOCTOR LAMOND.—*Lecture.*—Improper Multiple Integrals over Iterable Fields. American Mathematical Society, New York City, April 27, 1912.

OBITUARY RECORD

The following deaths among the alumni have been recorded since the publication of the last obituary record:

CLASS

1840 John Wesley Lindsay, b. August 20, 1820, Barre, Vt.; d. March 6, 1912, Clifton Springs, N. Y.

1844 Francis Southack Hoyt, b. November 5, 1822, Lyndon, Vt.; d. January 21, 1912, Cincinnati, O.

- 1845 Jonathan Goodier, b. February 6, 1822, Herkimer County, N. Y.;
d. July 31, 1910, Utica, N. Y.
- 1847 Edward Spalding Lippitt, b. September 17, 1824, Woodstock,
Conn.; d. May 3, 1912, Petaluma, Cal.
- 1856 Allen Reynolds, b. December 25, 1828, Copake, N. Y.; d. March
12, 1911, White Plains, N. Y.
- 1857 Willard Francis Mallalieu, b. December 11, 1828, Sutton, Mass.;
d. August 1, 1911, Auburndale, Mass.
- 1857 Alverd Ezra Winchell, b. June 21, 1831, Egremont, Mass.; d.
March 6, 1912, New Haven, Conn.
- 1860 Henry Moore Simpson, b. August 17, 1837, London, England; d.
April 26, 1912, Saratoga Springs, N. Y.
- 1862 Thomas Francis Barnswell, b. August 6, 1841, New York, N. Y.;
d. 1902.
- 1862 Henry Martin Blake, b. April 29, 1836, Monmouth, Me.; d. April
7, 1912, Monmouth, Me.
- 1863 Richard Henry Gidman, b. September 14, 1840, Stamford,
England; d. September, 1911.
- 1863 John Clark Rand, b. June 6, 1842, Chelsea, Mass.; d. June 16,
1911, Boston, Mass.
- 1863 Freeman Pratt Tower, b. February 13, 1838, Eastford, Conn.; d.
September 11, 1911, Everett, Mass.
- 1864 John Joseph Reed, b. February 3, 1840, New York, N. Y.; d.
October 29, 1911, Leonia, N. J.
- 1865 Coleman Clark Burr, b. October 26, 1841, Perry, N. Y.; d. August
15, 1911, Denver, Colo.
- 1867 John Randolph Farnum, b. August 26, 1839, Cheshire, Mass.; d.
March 26, 1911, Langdon, D. C.
- 1869 Walter Augustus Chadwick, b. December 15, 1847, Brooklyn,
N. Y.; d. December 16, 1911, Ocean Grove, N. J.
- 1870 Benjamin Gill, b. July 11, 1843, Holmfirth, Yorkshire, England;
d. February 11, 1912, Baltimore, Md.
- 1871 Byron Alden Brooks, b. December 12, 1845, Theresa, N. Y.;
d. September 28, 1911, Brooklyn, N. Y.
- 1873 Delmar Rial Lowell, b. November 29, 1844, South Valley, N. Y.;
d. February 1, 1912, Washington, D. C.
- 1874 George Russell Emerson, b. February 4, 1849, Roxbury, Mass.; d.
March 11, 1912, Watertown, Mass.
- 1874 Charles Foster Merrill, b. June 15, 1852, Rockville, Conn.; d. July
10, 1911, Millville, N. J.
- 1877 Henry Prentice Cooke, b. October 26, 1856, Canton, N. Y.; d.
November 29, 1911, Watertown, N. Y.

- 1877 Watson Tranter, b. March 10, 1853, Cincinnati, Ohio; d. June 29, 1911, Lexington Pike, Covington, Ky.
- 1877 Isaac Harrison Whittier Wharff, b. October 31, 1849, Bangor, Me.; d. July 15, 1911, Winterport, Me.
- 1878 George Watson James, b. August 12, 1848, Rush, Pa.; d. November 5, 1911, Wilkes-Barre, Pa.
- 1880 George Alcott Phinney, b. December 8, 1856, Barnstable, Mass.; d. November 20, 1911, Boston, Mass.
- 1886 Acton Theophilus Civill, b. January 7, 1862, Coeymans, N. Y.; d. June 19, 1911, Rhinecliff, N. Y.
- 1891 Edwin Daniel Arnold, b. 1865; d. July 2, 1911, New London, Conn.
- 1892 Heber Ives Thayer, b. October 28, 1870, Higganum, Conn.; d. December 2, 1911, Durham, Conn.
- 1906 Warren Lucius Harlow, b. February 27, 1883, Worcester, Mass.; d. August 15, 1911, Worcester, Mass.

NON-GRADUATES

- 1847 Edward Booth, date of birth unknown; reported dead by Commissioner of Pensions, July, 1911.
- 1847 Erastus Boyden, b. July 21, 1831, Killingly, Conn.; reported dead by G. H. Pillsbury, M. D., Lowell, Mass.
- 1849 Benjamin Gould Ames, b. April 10, 1823, New Sharon, Me.; reported dead by Commissioner of Pensions, July, 1911.
- 1851 Epaminondas Deyampert, b. January 8, 1828, Abbeville District, S. C.; d. August 3, 1911, Scott's, Alabama.
- 1851 Isaac Lockwood Seely, b. 1826, South Onondaga, N. Y.; d. June 17, 1911.
- 1852 Solomon Sias, b. June 13, 1829, Danville, Vt.; d. June 3, 1911.
- 1853 George Warren Nickerson, b. October 23, 1827, Edmunds, Me.; d. August 28, 1910.
- 1854 John Newland Crandall, b. October 6, 1828, Wiscasset, Me.; d. December 26, 1910.
- 1854 William Callahan Robinson, b. July 26, 1834, Norwich, Conn.; d. November 6, 1911, Washington, D. C.
- 1856 Nathan Pierce Selee, b. September 25, 1829, Easton, Mass.; d. February 3, 1912, Melrose, Mass.
- 1860 Benjamin Kingsbury Lovatt, b. August 27, 1838, Boston, Mass.; d. February 20, 1911, Fall River, Mass.
- 1866 Paul Richard Brown, b. November 4, 1846, New York, N. Y.; d. May 31, 1906.

- 1866 William Sheppard Walton, date of birth unknown; reported dead by Commissioner of Pensions, July, 1911.
- 1869 John Lemley, b. 1843, Hesse-Darmstadt, Germany; d. January 28, 1911.
- 1870 Leroy Sumner Stowe, b. November 18, 1840, Redding, Conn.; d. June 28, 1911, Westfield, N. J.
- 1872 Martin Van Buren Knox, b. October 4, 1841, Schroon, N. Y.; d. March 13, 1912, Stoneham, Mass.
- 1876 Roscoe Leonard Greene, b. December 26, 1847, Bangor, Me.; d. June 10, 1911, Waltham, Mass.
- 1883 Francis Alexander Phelps, b. 1859; d. July 6, 1911, Wilkes-Barre, Pa.
- 1889 Fred Van Dorn, b. 1864; d. September 2, 1907.
- 1901 James Irving Chapin, b. February 23, 1879; d. August 23, 1909.
- 1906 Edward Goldbacker, b. April 31, 1876, New York, N. Y.; d. July 28, 1911, Prattsburg, N. Y.

Fill out this blank and mail to President William Arnold Shanklin,
Middletown, Connecticut, not later than June 15.

§ _____ 191

*For the Endowment Funds of WESLEYAN UNIVERSITY,
Middletown, Connecticut, in consideration of subscriptions by
others to the same funds, I hereby promise to pay to the
Trustees of said University*

in five equal annual instalments, beginning July 1, 1912.

DO IT NOW!

Volume 6

JUNE, 1912

Number 2

THE
WESLEYAN UNIVERSITY
BULLETIN

MIDDLETOWN, CONNECTICUT



ADDRESSES OF ALUMNI AND
FORMER STUDENTS

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MIDDLETOWN, CONNECTICUT
PELTON & KING

ADDRESSES

OF

ALUMNI AND FORMER STUDENTS

OF

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MIDDLETOWN, CONN.

June, 1912

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 Stratmann, Ernest W., '93-'94, 2 Rector St., New York, N. Y.
 Stratton, Henry D., '40-'42.
 Strong, Irving E., '94-'96, 1059 Tinton Ave., New York, N. Y.
 Suckley, Robert B., '74-'78, Rhinebeck, N. Y.
 Sutton, David A., '54-'57.
 Henry C., '03-'04, Care Billingsly Co., Junction City, Ore.
 Swartz, George W., '37-'40.
 Sweet, Guy V., '05-'07, Loudonville, N. Y.
- Taft, James H., '70-'73, 100 William St., New York, N. Y.
 Talmage, Rev. Charles H., '83-'86, Taunton, Mass.
 Tate, Daniel C., '61-'64, 66 Broadway, New York, N. Y.
 Tateum, Fred T., '84-'87.
 Taylor, Charles H. E., '81-'84.
 Isaac B. A., '78-'80, Middletown, N. Y.
 Levi L. H., '72-'73, Windsor St., Haverhill, Mass.
 William U., M. D., '72-'73, Mooers, N. Y.
- Tennant, John C., '95-'96, 338 S. Franklin St., Wilkes-Barre, Pa.
 Terry, Prof. Elwood I., '02-'05, Colorado Springs, Col.
 Thomas, Irving B., '97-'98, 820 Dauphin St., Philadelphia, Pa.
 Riley D., '58-'62.
 William, '54-'55.
- Thompson, Benjamin F., '90-'92, Clarksburg, W. Va.
 John F., '77, Brooklyn, Conn.
 Richard J., M. D., '76-'79, 533 High St., Fall River, Mass.
 Rev. Robert L., '93-'94, 21 13th St., Troy, N. Y.
 Rev. Samuel M., '98-'99, 33 N. 10th St., Lebanon, Pa.
- Thorpe, Ralph B., '07-'09, Clyde, N. Y.
 Tillman, Frederick A., '08-'09, Sayre, Pa.
 Tindal, Caleb C., '82-'83, Dover, Del.
 Tisdale, William M., '78-'81, Redlands, Cal.
 Todd, Robert F., '97-'98.
 Tolman, George E., '01-'04.

- Tolman, Mrs. L. P. (See Carroll, Stella W.)
Tompkins, Daniel F., '45-'47, 163 Washington Ave., Newark, N. J.
Topham, Joseph L., '59-'61.
Torrance, Rev. Cortis E., '03-'04, Chazy, N. Y.
Tourtellotte, Isaac N., '45-'47, Nat. Soldiers' Home, Los Angeles, Cal.
Towne, Eugene R., '72, Waterbury, Vt.
Treadway, Edward A., '62-'63.
Treat, Willard E., '84, Silver Lane, Conn.
Trefethen, Henry P., '06-'09, Kents Hill, Me.
Turner, James A., '97-'98, 714 Iranistan Ave., Bridgeport, Conn.
- UNGER, Raymond D., '03-'04, 60 Arlington St., Newark, N. J.
- VAIL, David M., '75-'78.
Van Benschoten, John R., '73-'74.
Van Dervoort, Cornelius F., '78-'81, 20 Church St., Paterson, N. J.
Van Deusen, Howard, '93-'95, High School, Bayonne, N. J.
Van Tassell, Irvin, '06-'08, Newburgh, N. Y.
Vernon, Lillian, '84-'85, (Mrs. A. de Bosis) Villa Diana, Via Tuscolana, Rome, Italy.
Voss, Harry P., '02-'03, 371 W. 117th St., New York, N. Y.
- WADE, Hollis B., '02-'03, Hanover, N. J.
Rev. John A., '94-'98, 251 W. 80th St., New York, N. Y.
Wagner, John U., '87-'88, 401 N. Irving Ave., Scranton, Pa.
Walker, Alice E., '92-'93, (Mrs. C. P. Jones) 312 Oak St., Portland, Ore.
Ezra R., '02-'03, Chelsea, Vt.
Wallace, Gustavus S., '79-'81.
John C., '98-'02,
Walsworth, Cornell M., '74-'77.
Walter, Edward H., '75-'76, Lakewood, R. I.
William B., '98-'00.
Walton, Rev. Olin S., '76-'78, Red Lion, Del.
Ward, Prin. Fred U., '95-'96, White and Somerset Sts., Taunton, Mass.
John W., M. D., '59-'61, Trenton, N. J.
Joshua, '57-'58.
Warner, Andrew E., '60-'61, Chester, Conn.
Carl G., '98-'99, 445 Main St., Springfield, Mass.
Charles W., '82, Middletown, Conn.
Harris, '77-'79, Middletown, Conn.
Warren, Alfred E., '83-'85, Sterling, Col.
Mrs. J. A. (See Pottle, Georgia E.)

- Warren, Lieut. Thomas R., '90, Schofield Barracks, Honolulu, H. I.
Warriner, Winsor W., M. D., '93-'94, Antioch, Ill.
Washburn, Henry L., '64-'65, P. O. Box 638, New York, N. Y.
Waterbury, Charles R., '02-'04, 24 Spring St., Stamford, Conn.
Watson, Rev. Lorenzo D., '66-'68.
Watt, William E., '90-'91, 60 Washington St., Carbondale, Pa.
Watts, Harry A., M. D., '91-'92, Odd Fellows Bldg., Sacramento, Cal.
Weaver, Courtney M., '95-'98, 152 Centre Ave., New Rochelle, N. Y.
 William R., '86-'87.
Webb, Henry C., '05-'06, Forest, Del.
Webster, Oliver C., '87-'90, Appraiser's Dept., Custom House, New York, N. Y.
Weeks, Arthur M., '04-'06, Patchogue, N. Y.
 Garusey, '02-'04.
 Lyman H., '69-'71, 359 W. 140th St., New York, N. Y.
Weidner, David T., '96-'98, South Mauch Chunk, Pa.
Welch, Blanche E., '00-'01.
Weld, James W., '02-'06, 412 Steuben Ave., Mt. Vernon, N. Y.
Wells, Rev. Hubert W., '84-'85, 8th and Shipley Sts., Wilmington, Del.
 Jordan C., '84-'88, 135 Trumbull St., Hartford, Conn.
 Orion V., M. D., '98-'99, Westford, Mass.
Welsh, Elmer S., '98-'00, York, Pa.
Wesley, Frank A., '97, Standard Life Ins. Co., Pittsburg, Pa.
Weston, Homer, '63-'66, 403 *Post-Standard* Building, Syracuse, N. Y.
Wetenhall, Robert C., '47-'49.
Wheatly, Joseph Y., '79-'80, Cold Spring, N. Y.
Whedon, Daniel D., M. D., '96-'98, San Diego, Cal.
Wheeler, Thomas M., '34-'35.
Whitcher, John W., '47-'48.
White, Benjamin H., '55-'58.
 Grace R., '97-'98, (Mrs. E. M. Osborne) Easthampton, N. Y.
 Ralph H., '06-'07, N. Bennington, Vt.
Whitmore, Lena A., '00-'01, (Mrs. W. Greenbacker) Middlefield, Conn.
Whitney, Mellen A., '86-'87, Elgin, Ill.
 Nettie L., '88-'90, 568 Farmington Ave., Hartford, Conn.
 Royal A., M. D., '76-'77, Liverpool, N. Y.
Wiggins, Samuel W., '38-'39.
Wight, Isaac H., M. D., '97, Bethel, Me.
Wilcox, Prof. Alexander M., '73-'75, Lawrence, Kan.
 Clement B., '08-'10, Westfield, N. J.
 DuRenne S., '73-'75.
 Katie, '07-'09, Chester, Conn.

Wilcox, Ralph M., '83-'85, Middletown, Conn.

Robert E., '97-'98, Court House, Syracuse, N. Y.

Roger T., '05-'06.

Wilder, Winford O., M. D., '99-'00, Pittsfield, Mass.

Willard, Matthew, '42-'43.

Willcocks, Rev. William, '77-'78, E. Chatham, N. Y.

Williams, Chauncey A., '01-'02, 418 Arch St., Philadelphia, Pa.

George A., '93-'94, '95-'96, Waterbury, Conn.

Jay, '80, Salisbury, Md.

Wilsey, Willard W., '95-'97, '98-'99, 30 Mountain Ave., Ridgewood, N. J.

Wilson, Alban J., M. D., '62-'63.

Charles M., M. D., '66-'68, Park City, Utah.

Isaac R., '34-'37.

William C., '06-'07, 59 S. Maple Ave., E. Orange, N. J.

Winans, Rev. Walter W., '85-'86, 573 Farmington Ave., Hartford, Conn.

Winn, Rev. Arthur H., '92-'94, 108 Oakwood Ave., Troy, N. Y.

Winslow, Rev. Frank O., '00-'01, Clay Center, Neb.

Wolcott, Rev. Robert T., '83-'84, Manchester, N. H.

Wolff, John R., '04-'05, 973 Blue Hill Ave., Dorchester Center, Mass.

Wood, Frederic A., '82-'83, 295 Pawtucket St., Lowell, Mass.

Henry W., Jr., '88-'90.

Russell T., '06-'08, 280 6th Ave., Newark, N. J.

Woodruff, Rev. Charles S., '68-'70, 320 S. Broad St., Elizabeth, N. J.

Ernest W., '99-'02, 1374 Pleasant St., Springfield, Mass.

Wooster, Walter A., '82-'83, Rome, N. Y.

Wright, Albert J., '76-'79, Erie Co. Bank Building, Buffalo, N. Y.

John K., '33-'35.

YANSON, Carl R., '04-'06.

Young, Charles B., M. D., '87-'88, Middletown, Conn.

ZIEGLER, Rev. Prin. Howard B., '02-'03, Mercer, Wis.

HONORARY ALUMNI

The names of former students (non-graduates) are indicated by a dagger (†). The numerals after the degree, from (18)33 to (19)12, indicate the year it was conferred. The names of graduates who have received honorary degrees are not included in this list.

†Allen, Willard S., M. A., '79.

Anderson, Rev. Bishop William F., D. D., '02, Cincinnati, Ohio.

Baldwin, Hon. Simeon E., LL. D., '12, New Haven, Conn.

Bashford, Rev. Bishop James W., LL. D., '03, Peking, China.

Bates, Hon. John L., LL. D., '03, Boston, Mass.

Benedict, Francis G., Sc. D., '11, Carnegie Nutrition Laboratory, Vila St., Boston, Mass.

Benton, Rev. Stephen O., M. A., '87, D. D., '96, 150 Fifth Ave., New York, N. Y.

†Berry, Rev. Wilbur F., D. D., '07, Waterville, Me.

Bickford, Rev. John H., D. D., '04, 26 N. 4th St., Columbus, O.

Binney, Rev. John, D. D., '03, Middletown, Conn.

Blakeslee, Rev. Francis D., D. D., '89, Y. M. C. A. Bldg., Binghamton, N. Y.

Blanchard, Orlando, M. A., '39.

Brewster, Right Rev. Bishop Chauncey B., D. D., '03, Hartford, Conn.

Brown, Chancellor Elmer E., LL. D., '09, New York University, New York, N. Y.

†Buck, Hon. John R., M. A., '77, Hartford, Conn.

†Buckley, Rev. James M., M. A., '69, D. D., '76, Morristown, N. J.

Burgess, Rev. Henry T., LL. D., '98, Norwood, South Australia.

Butler, Glentworth R., LL. D., '08, M. E. Hospital, Brooklyn, N. Y.

Buttz, Rev. Henry A., M. A., '66, D. D., '03, Madison, N. J.

Cadman, Rev. S. Parkes, D. D., '98, 2 Spencer Place, Brooklyn, N. Y.

†Clark, Alonzo H., M. A., '06, Smithsonian Institution, Washington, D. C.

Cobleigh, Nelson S., M. A., '66, 340 Lafayette Ave., Brooklyn, N. Y.

Coffin, Hon. O. Vincent, LL. D., '95, Middletown, Conn.

Colville, Rev. George M., M. A., '88, Jamestown, N. Y.

†Cooper, Rev. Varnum A., M. A., '73, Kensington Park, Roxbury, Mass.

Corliss, Pres. Frederick W., M. A., '64, St. Bride's, Norfolk Co., Va.
Crawford, Allan, M. A., '68.

Dall, William H., M. A., '88, Smithsonian Inst., Washington, D. C.

Davison, Rev. Prof. William T., D. D., '92, Handsworth College, Birmingham, England.

Day, Rev. Pres. James R., D. D., '83, Syracuse, N. Y.

†Denison, Howard P., M. A., '05, Syracuse, N. Y.

Dixon, James B., M. A., '59.

Eaton, Rev. Joel W., D. D., '81, 422 University Block, Syracuse, N. Y.

†Eckman, Rev. George P., M. A., '92, D. D., '05, 150 Fifth Ave., New York, N. Y.

Farrar, Hubbard C., D. D., '86, 296 Ryerson St., Brooklyn, N. Y.

Faulkner, Rev. Prof. John A., D. D., '97, Madison, N. J.

Faulks, Rev. James B., M. A., '76, Madison, N. J.

Faunce, Pres. William H. P., LL. D., '09, Providence, R. I.

Ferguson, Rev. Wilbert P., D. D., '98, 49 E. 61st St., New York, N. Y.

Flack, Rev. Arthur H., M. A., '87, Elmira, N. Y.

Flint, Rev. Charles W., D. D., '12, Middletown, Conn.

Foote, Rev. John B., M. A., '69, 910 Harrison St., Syracuse, N. Y.

†Foster, William H., M. A., '49.

†Frost, Rev. Timothy P., M. A., '90, D. D., '95, Evanston, Ill.

Garfield, Pres. Harry A., LL. D., '09, Williamstown, Mass.

Givens, Amos J., LL. D., '12, Stamford, Conn.

†Goewey, William D., M. A., '09, 457 State St., Albany, N. Y.

Goodell, Rev. Charles L., D. D., '06, 136 W. 130th St., New York, N. Y.

Gribbell, John, M. A., '12, 1513 Race St., Philadelphia, Pa.

Griffin, James J., M. A., '56.

Griffith, Elbert W., M. A., '94, Glens Falls, N. Y.

Hadley, Pres. Arthur T., LL. D., '99, New Haven, Conn.

Hamilton, Rev. Bishop John W., M. A., '77, Boston, Mass.

Harcourt, Rev. Richard, M. A., '73.

Harris, Pres. George, LL. D., '09, Amherst, Mass.

Hart, Dean Samuel, LL. D., '09, Middletown, Conn.

†Hayden, Herbert B., M. A., '09, Rock Island, Ill.

Holmes, Rev. James E., D. D., '11, 413 Fulton St., Brooklyn, N. Y.

Hughes, Rev. William H., D. D., '87, Mechanicville, N. Y.

Hunt, Lucian, M. A., '63, Gorham, Me.

Ralph, M. A., '71.

Huntington, Rev. William E., D. D., '03, Boston Univ., Boston, Mass.

Huxtable, Rev. Edgar, M. A., '42.

James, Pres. Edmund J., LL. D., '02, Urbana, Ill.

†Kavanagh, Rev. Abram S., M. A., '06, Seney Hospital, Brooklyn, N. Y.

- Kirkland, Chancellor James H., LL. D., '09, Nashville, Tenn.
- †Kneil, Arthur S., M. A., '94, Westfield, Mass.
- Knox, Prof. George W., D. D., '09, Union Theol. Sem., New York, N. Y.
- Lasher, Abner E., M. A., '74.
- †Lauder, Robert, M. A., '90, Bridgeport, Conn.
- Leach, George W., M. A., '46.
- Littlewood, Rev. Thomas D., M. A., '73, 11 Fairview Place, Brooklyn, N. Y.
- Leonard, Rev. Joel M., D. D., '02, Melrose, Mass.
- Lounsbury, Hon. Phineas C., LL. D., '87, 257 Broadway, New York, N. Y.
- Luther, Rev. Pres. Flavel S., LL. D., '06, Hartford, Conn.
- †Lyon, Marcus W., M. A., '81, 188 Market St., Newark, N. J.
- Hon. William P., M. A., '40, Eden Vale, Cal.
- McConnell, Rev. Bishop Francis J., LL. D., '09, Denver, Col.
- McDowell, Rev. Bishop William F., D. D., '03, 57 Washington St., Chicago, Ill.
- Mackenzie, Rev. Pres. William D., D. D., '06, Hartford, Conn.
- Maclaurin, Pres. Richard C., LL. D., '09, Mass. Inst. of Technology, Boston, Mass.
- †Maclay, Arthur C., M. A., '79, Plainfield, N. J.
- MacMullen, Rev. Wallace, D. D., '97, 46 E. 60th St., New York, N. Y.
- Marcy, Henry O., LL. D., '87, 180 Commonwealth Ave., Boston, Mass.
- †Martin, George B., M. A., '05, 120 Cottage St., New Haven, Conn.
- Meredith, Rev. Robert R., M. A., '75, Pasadena, Cal.
- Morris, Franklin G., M. A., '76, Northampton, Mass.
- Murlin, Rev. Pres. Lemuel H., LL. D., '12, Boston University, Boston, Mass.
- †Narraway, John W., M. A., '12, 62 Pearson Ave., Parkdale, Toronto, Ont., Canada.
- Neuman, Allen, M. A., '56.
- Nichols, Pres. Ernest F., LL. D., '09, Dartmouth, N. H.
- Nicholson, Rev. Thomas, D. D., '09, 150 Fifth Ave., New York, N. Y.
- Oakley, Rev. John G., M. A., '72, Chatham, N. Y.
- †Phelps, Charles, M. A., '07, Rockville, Conn.
- Peirce, Henry T., M. A., '71, 272 Lenox Ave., New York, N. Y.
- Platt, Rev. Smith H., M. A., '66, 182 Sumner Ave., Springfield, Mass.
- †Poland, Addison B., M. A., '76, 258 Montclair Ave., Newark, N. J.
- †Prince, Rev. Prof. Morris W., M. A., '82, D. D., '90, Carlisle, Pa.
- †Raymond, Hon. Robert F., M. A., '06, Newton Center, Mass.
- †Richards, Joseph A., M. A., '12, 1136 Tribune Bldg., New York, N. Y.
- Robinson, Hon. Silas A., LL. D., '09, Middletown, Conn.
- †Roe, George M., M. A., '84, Long Beach, Cal.

- Rogers, Prof. Henry W., LL. D., '90, 413 Orange St., New Haven, Conn.
 Prof. Robert W., D. D., '94, Madison, N. J.
 Root, Hon. Elihu, LL. D., '09, Washington, D. C.
 Russell, Rev. William H., M. A., '78.
 †Samuel, John, M. A., '82, 1809 Pine St., Philadelphia, Pa.
 Sanders, Pres. Rev. Frank K., D. D., '03, Washburn Col., Topeka, Kan.
 Sawyer, Rev. James E. C., D. D., '88, Pittsford, Vt.
 †Schock, James T., M. A., '84, Plainfield, N. J.
 Scoville, Delavan C., M. A., '68, 150 W. 126th St., New York, N. Y.
 Shaw, Hon. Leslie M., LL. D., '03, 115 Broadway, New York, N. Y.
 Sheffield, James C., M. A., '77, Lyons, N. Y.
 Sheldon, Prof. Henry C., D. D., '06, 72 Mt. Vernon St., Boston, Mass.
 Sherman, Hon. James Schoolcraft, LL. D., '09, Washington, D. C.
 Shortlidge, Joseph, M. A., '66.
 Simpson, Alex., Jr., M. A., '12, 1421 Chestnut St., Philadelphia, Pa.
 Skene, Rev. George, M. A., '83, Bedford, Mass.
 Smith, Pres. William W., LL. D., '89, Lynchburg, Va.
 Smythe, Rev. George B., D. D., '97, Berkeley, Cal.
 Sprague, Rev. Prin. Levi L., D. D., '86, Kingston, Pa.
 †Stiles, Charles W., M. S., '96, Sc. D., '06, Cosmos Club, Washington, D. C.
 †Stillwell, Lewis B., Sc. D., '07, 100 Broadway, New York, N. Y.
 Stockdale, Rev. Fairbank B., D. D., '07, 910 Grand Ave., Asbury Park,
 N. J.
 Stryker, Pres. Melancthon W., LL. D., '09, Clinton, N. Y.
 Stuart, Pres. Charles M., D. D., '06, Evanston, Ill.
 Stuntz, Rev. Bishop Homer C., D. D., '10, Buenos Aires, S. A.
 Taft, Hon. William H., LL. D., '09, Washington, D. C.
 Terry, Rev. Milton S., M. A., '70, D. D., '79, 1812 Hinman Ave., Evanston,
 Ill.
 Tillett, Rev. Prof. Wilbur F., D. D., '09, Vanderbilt University, Nashville,
 Tenn.
 Townsend, Rev. Prof. Luther T., M. A., '66, Park and Marion Sts.,
 Brookline, Mass.
 Tribou, Rev. David H., D. D., '01, Bucksport, Me.
 Tucker, Pres. William J., LL. D., '03, Hanover, N. H.
 Van Dyke, Rev. Prof. Henry, LL. D., '03, Princeton, N. J.
 Vickers, Rev. Charles K., M. A., '62.
 †Warner, Andrew E., M. A., '72, Chester, Conn.
 Watkins, Rev. Wilbur F., M. A., '63, Holy Cross House, West Park, N. Y.
 Watkinson, Rev. William L., D. D., '96, Brondesbury, London, England.
 Watson, Rev. Elijah R., M. A., '88, 1366 9th St., San Diego, Cal.
 Watters, Rev. Philip M., D. D., '00, 141 W. 4th St., New York, N. Y.

Weeks, Hon. Frank B., LL. D., '09, Middletown, Conn.

Wheeler, Charles C., M. A., '60, New York, N. Y.

White, Prof. John W., LL. D., '96, Cambridge, Mass.

Wilson, Rev. William C., M. A., '79.

Winslow, Ezra D., M. A., '69.

Woodruff, Hon. Rollin S., LL. D., '08, New Haven, Conn.

†Wright, Albert J., M. A., '12, Erie Co. Bank Building, Buffalo, N. Y.

MASTERS

NOT WESLEYAN GRADUATES

The numerals after the degree, from (18)95 to (19)12, indicate the year it was conferred.

Aldrich, Charles S., M. A., '96, Keenan Building, Troy, N. Y.

Alexander, William B., M. S., '11.

Grover, Frederick W., M. S., '01, Nat. Bureau of Standards, Washington, D. C.

Guy, Alice B., M. S., '02, Middletown, Conn.

Hazen, Edwin H., M. A., '12, Middletown, Conn.

Lucia W., M. S., '06, (Mrs. D. C. Webster) Hartland, Vt.

Maynard T., M. A., '09, Middletown, Conn.

Holbrook, Myra C., M. A., '99, 38 St. Botolph St., Boston, Mass.

Lockwood, Prof. Frank C., M. A., '02, Meadville, Pa.

Rowe, Prof. Allan W., M. S., '04, Boston Univ. Med. Sch., Boston, Mass.

Smith, Arthur W., M. S., '95, Ann Arbor, Mich.

Sperry, Miranda B., M. S., '02, Bellingham, Wash.

GEOGRAPHICAL LIST

The names of non-graduates are indicated by a dagger (†)

ALABAMA

Birmingham, †E. H. Andrews; *Mobile*, W. B. Smith; *Tuskegee*, T. J. Taylor, Jr.

ARIZONA

Bisbee, †G. A. Bridge; *Globe*, A. C. McKillop; *San Simon*, R. White.

ARKANSAS

Camden, †H. M. Ingham; *Little Rock*, A. Hanson, W. G. Whipple; *Rogers*, †M. E. Alling; *Wynne*, †A. W. Lake.

CALIFORNIA

Alameda, †J. S. Sanford; *Alhambra*, †E. H. Fretz; *Beckwith*, C. H. Gardner; *Belmont*, A. J. Inglis; *Berkeley*, F. C. Becker, Mrs. W. C. (Rogers) Blasdale, W. E. Coffman, W. T. Randall, A. D. Smith; *Bloomington*, E. I. Rackett; *Colegrove*, C. Cole; *Dinuba*, †J. R. O'Hanlon; *Erle*, †C. F. Boardman; *Gilroy*, †W. P. Stanley; *Long Beach*, J. S. Wood, †G. M. Roe.

Los Angeles, C. H. Baker, J. C. W. Coxe, G. G. Gatch, E. F. Marsh, †C. F. Allen, †W. W. Cookman, †W. Denison, †C. Laux, †W. M. Sterling, †D. K. Stetson, †I. N. Tourtellotte.

Marysville, †F. H. Greely; *Mojave*, †G. S. Brown; *Napa*, R. S. Holden, H. H. Sawyer; *Oakland*, C. W. Smiley; *Palo Alto*, †W. P. Hyde; *Pasadena*, R. G. Goodman, H. A. Hill, O. L. Livesey, C. M. Parker, M. M. Parker, H. T. Staats, †H. E. Beckwith, †H. D. Kessler, †M. C. Smith; *Perris*, †J. B. Long; *Portersville*, H. S. Noe; *Redlands*, †W. M. Tisdale; *Riverside*, G. M. Busey, E. P. Clarke; *Sacramento*, †H. A. Watts; *San Bernardino*, †S. B. Parish; *San Diego*, Mrs. H. J. (Rogers) Sanford, W. N. Taft, †D. D. Whedon.

San Francisco, R. C. Harrison, S. G. Kellogg, S. Quickmire, Mrs. S. (Barracrough) Quickmire, A. N. Tasker, †A. U. Faulkner, †W. L. P. Jackson.

San Jose, S. G. Gale; *Santa Ana*, †J. M. Copeland; *Santa Cruz*, S. J. Watson, †E. B. Philbrook; *Santa Rosa*, †M. L. McDonald; *Stanford University*, C. Searles, P. J. Treat.

COLORADO

Colorado Springs, W. P. Gammons, G. H. Stone, †E. I. Terry.

Denver, S. S. Abbott, H. C. Eldridge, J. L. Hurst, A. B. Hyde, C. I. Mills, W. S. Raymond, H. E. Russell, H. Sewall, P. L. Woolston, †Miss R. E. Harding.

Independence, †G. P. Raymond; *Pueblo*, †J. B. Kilbourn; *Sterling*, †A. E. Warren; *University Park*, †J. C. Shattuck, †W. F. Steele.

CONNECTICUT

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S. Bethlehem, †V. J. Pazzetti; *S. Mauch Chunk*, †D. T. Weidner; *State College*, A. H. Espenshade; *Sugar Grove*, †H. W. Johnson; *Sunbury*, †I. C. Kline; *Swarthmore*, †F. H. Shiland; *Troy*, Miss G. L. Foote; *Uniontown*, R. B. Chamberlin, †F. W. Beekman; *Ward*, B. F. Leggett; *Waverly*, E. G. N. Holmes; *Wayne*, W. N. Stilwell; *Westchester*, †Miss E. A. Johnson; *W. Pittston*, †H. V. E. Mitchell.

Wilkes-Barre, R. N. Bennett, Z. P. Bennett, E. G. Butler, R. B. Espy, J. E. Jenkins, Mrs. J. E. (Mitchell) Jenkins, E. A. Jones, B. M. McBride, P. F. O'Neill, W. F. Van Loon, W. E. Woodruff, †G. W. Bachman, †C. D. Coughlin, †L. S. Pierson, †J. C. Tennant.

Wm. Penn P. O., C. L. Hamilton, W. W. Hamilton; *Williamsport*, B. C. Conner, C. G. Girelius; *York*, J. R. Lindemuth, †E. S. Welsh.

RHODE ISLAND

East Greenwich, †J. D. Miner; *Lakewood*, †E. H. Walter; *Newport*, D. Baker, W. H. Bath, L. J. Norton; *North Providence*, E. F. Clark.

Providence, J. L. Beers, A. B. Crafts, F. Cutts, H. E. Drake, E. G. Fletcher, G. W. Gardiner, E. L. Legg, E. S. Ninde, R. W. Smith, †Mrs. A. A. (Barrows) Bennett, †Mrs. H. E. (Johnson) Drake, †J. E. Kendrick,

†H. N. Knight, †H. E. Roelke; *Riverside*, †D. B. Cox; *Scituate*, C. H. Page, Jr.; *Thornton*, W. H. Starr; *Woonsocket*, W. M. Newton.

SOUTH CAROLINA

Charlestown, †A. G. Purvis.

SOUTH DAKOTA

Brookings, W. H. H. Phillips; *Redfield*, A. B. Darling; *Sioux Falls*, †J. H. Chapman; *Watertown*, †E. A. Gove.

TENNESSEE

Brentwood, W. W. Martin; *Chattanooga*, W. K. Anderson, R. H. Williams; *Johnson City*, J. F. Boyd; *Knoxville*, Mrs. C. A. (Warren) Perkins, †A. C. Moore; *Nashville*, Miss A. F. Sweet; *Sevierville*, E. A. Bishop; *Shelbyville*, B. B. Penfield.

TEXAS

Austin, F. C. Ostrander; *Bonham*, †R. E. Martin; *Dallas*, G. Gilmour; *El Paso*, F. H. Gilman, H. E. Van Surdam; *Houston*, J. W. Northrop, Jr.; *Mission*, T. M. Melden.

UTAH

Park City, †C. M. Wilson; *Salt Lake*, †G. P. Holman, †C. W. Stewart.

VERMONT

Albany, G. C. McDonald; *Barre*, E. O. Thayer; *Barton*, W. B. Duke-shire; *Barton Landing*, †E. O. Ranney; *Bennington*, A. J. Holden; *Burlington*, L. A. Bergholz, A. R. Gifford, †H. A. Durfee, †Mrs. H. A. (Mott) Durfee; *Castleton*, W. J. Chapman; *Chelsea*, †E. R. Walker; *Colchester*, W. W. Smith, †H. C. D. Smith; *Derby*, O. J. Anderson; *Dorset*, †E. F. Starks; *E. Warren*, †P. B. Daniels; *Fairfax*, W. S. Boardman; *Fairfield*, †W. H. Fairchild; *Hardwick*, G. H. Bickford, †C. M. Sawyer; *Lyndonville*, F. A. Woodworth; *Middlebury*, W. W. McGilton, M. R. Sanford; *Newport*, J. Young; *N. Bennington*, †R. H. White; *Northfield*, J. M. Tebbetts, †G. H. Richmond; *N. Thetford*, †A. A. Estabrook; *Pittsford*, E. Hitchcock; *Pownal*, C. E. Green; *Richford*, †F. M. Barnes; *Rutland*, E. P. Stevens; *St. Albans*, †C. M. Austin; *St. Johnsbury*, †C. P. Howland; *Sherburne*, †J. C. Carnahan; *S. Barton*, †F. H. Pillsbury; *S. Hero*, R. H. Mix; *S. Royalton*, E. L. M. Barnes; *Swanton*, †F. O. Collins; *Waitsfield*, †C. M. Richardson; *Waterbury*, E. F. Newell, †E. R. Towne; *West Burke*, H. E. Smith; *Windsor*, I. P. Ingraham, Mrs. B. C. (Macfarlane) Noble, †G. M. Davis.

VIRGINIA

Campbell, R. F. Bower; *Charlottesville*, †W. W. Brockman, †F. H. Smith; *Houston*, †F. C. Cantine; *Manassas*, G. C. Round; *Staunton*, Miss I. Graves.

WASHINGTON

Chautauqua, C. R. Pomeroy; *Chevelah*, J. L. Rollins; *Fort George Wright*, †J. R. Harris; *Hoquiam*, H. C. Heermaus; *Manette*, †H. C. Michener; *N. Yakima*, E. W. Burr, †E. M. Churchill; *Olympia*, J. M. Hitt.

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Spokane, I. C. Libby; *Tacoma*, M. C. Cramer; *Tenino*, E. R. Tracy; *Vancouver*, S. J. Kirby; *Vancouver Barracks*, †S. W. Scofield.

WEST VIRGINIA

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WISCONSIN

Appleton, F. T. Smith; *Augusta*, †A. E. Bradford; *Berlin*, †W. A. Settle; *Elk Mound*, H. R. Vaughn; *Fond du Lac*, R. S. Ingraham, †J. G. H. Barry; *Hurley*, T. J. Hambley; *Madison*, W. H. Peterson, F. W. Roe, E. B. Van Vleck, Mrs. E. B. (Raymond) Van Vleck; *Maiden Rock*, C. T. Beers; *Marinette*, H. T. Scudder; *Mercer*, †H. B. Ziegler.

Milwaukee, L. F. Bower, A. W. Kellogg, G. B. MacComber, †DeW. Davis.

Oshkosh, J. F. Schneider; *Ripon*, †A. F. Gilman, †Mrs. A. F. (McGlynn) Gilman; *Superior*, †C. Smith; *Waukesha*, †T. W. Rhodes; *Wautoma*, F. L. Hayward; *Whitewater*, W. S. Watson.

WYOMING

Cheyenne, H. V. Lacey.

MISCELLANEOUS

AFRICA

Tripoli, J. O. Wood; *Umtali*, H. N. Howard.

ALASKA

Douglas, G. N. Edwards; *Juneau*, W. E. Clark; *Nome*, F. E. Fuller; *Unga*, J. A. Tuck.

CANADA

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CHILE

Concepcion, G. F. Arms; *Valparaiso*, B. O. Campbell.

CHINA

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ENGLAND

London, R. N. Crane, W. L. Hoagland, Jr., C. S. Leavenworth; *Shoreham*, †D. Heaton.

HAWAII

Honolulu, T. Richards, †F. C. Atherton, †T. R. Warren.

HONDURAS

Tegucigalpa, F. R. Streber.

INDIA

Calcutta, A. C. Harte.

ITALY

Rome, N. W. Clark, †Mrs. A. (Vernon) deBosis.

JAPAN

Tokyo, R. S. Curtice, J. Shimata, †K. Iwaya, †A. Kabayama; *Tokuyama*, †R. S. Kinney.

MEXICO

Mexico City, F. H. Tackaberry.

PERU

Lima, T. B. Wood.

PHILIPPINE ISLANDS

Manila, W. H. Chapman, Miss C. T. Robbins, F. A. Shailer, D. G. Willets, Mrs. H. B. (Chapman) Wood, †P. W. Darrow, †H. H. Kipp.

PORTO RICO

Corozal, D. M. Gilbert; *Ponce*, C. H. Terry; *San Juan*, B. F. Andrews, C. M. Griffith, R. E. Pearce, A. E. Taylor; *Uturado*, G. B. Benedict.

SOUTH PACIFIC

Society Island, †A. C. Rowland.

TURKEY IN ASIA

Van, E. A. Yarrow.

YUCATAN

Merida, J. Aznar.

— THE —

WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



BULLETIN 53 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

*Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown, Connecticut,
under the Act of Congress of July 16, 1894*

MIDDLETOWN, CONNECTICUT
PELTON & KING

CALENDAR

1912

Sept. 19	Thursday	9:00 A. M.	College year began.
Nov. 27	Wednesday	12:00 M.	Thanksgiving recess began.
Nov. 30	Saturday	7:50 A. M.	Thanksgiving recess ended.
Dec. 19	Thursday	5:00 P. M.	Christmas recess will begin.

1913

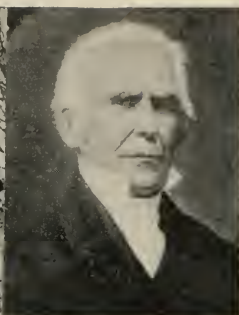
Jan. 3	Friday	7:50 A. M.	Christmas recess will end.
Jan. 20	Monday		Mid-year examinations will begin.
Feb. 3	Monday	7:50 A. M.	Second half-year will begin.
Feb. 22	Saturday		Washington's Birthday,—a holiday.
Mar. 6	Thursday	8:00 P. M.	Briggs Prize Debate.
Mar. 18	Tuesday	5:00 P. M.	Easter recess will begin.
Mar. 26	Wednesday	7:50 A. M.	Easter recess will end.
May 1	Thursday	8:00 P. M.	Junior Exhibition.
May 30	Friday		Memorial Day,—a holiday.
May 31	Saturday		Final examinations will begin.
June 15	Sunday	10:30 A. M.	Baccalaureate Sermon.
June 16	Monday	9:30 A. M.	Examinations of College Entrance Examination Board will begin.
June 18	Wednesday	10:30 A. M.	COMMENCEMENT.
Sept. 17	Wednesday	9:00 A. M.	Examination of candidates for ad- mission will begin.
Sept. 18	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President



SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices



LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

JOHN MONROE VAN VLECK

Born March 4, 1833

Died November 4, 1912

B. A., 1850; M. A., 1853; LL.D., 1900.

Adjunct Professor of Mathematics, 1853-1857; Professor of Mathematics and Astronomy, 1858-1904; Professor Emeritus, 1904-1912; Vice-President, 1890-1903; Acting President, 1872-1873, 1887-1889, 1896-1897.

Crowned with years and honor, Professor Van Vleck has finished his course. Both in length of service and in wealth of influence his career is conspicuous in the annals of American colleges. For fifty-eight years he was a member of the faculty of Wesleyan University, so that his official connection with the University exceeded that of any other person by nearly fifteen years. Fifty classes of Wesleyan graduates bear abundant testimony to his keen and stimulating teaching. During forty years his colleagues in the faculty looked to him as their leader. No one, save possibly the first president, Willbur Fisk, has wielded a greater influence in moulding the character of the University. He has endowed Wesleyan University with his love of truth, his catholicity of mind, his spirit of conservative progress, and his loyalty in service. His memory will ever be revered in the University he loved so loyally and served so well.

THE NEW ENDOWMENT.—Deepest gratification fills every Wesleyan heart because of the paying of the deficit and the completion of the fund of one million dollars of additional endowment last June. More than half the living graduates, more than three-fourths of the undergraduates, and many friends of the University had a part in this noble achievement. To President Shanklin, to President John Cheesman Clark, '86, of the board of trustees, and to the other members of the committee on endowment, is due the credit for the successful leadership in the campaign.

More than \$400,000 has already been paid in, and the rest is payable in instalments on July 1 of each year to 1916 inclusive. The full benefit of the new endowment will not, therefore, be realized until the fiscal year 1916-17. The trustees will authorize the contemplated advances and developments as rapidly as the fund becomes available, but they intend to avoid any deficit in the future.

NEW BUILDINGS.—Having effected the necessary increase in the endowment funds, the board of trustees has turned, without delay, to the next problem of importance, the erection of certain new buildings and the remodeling of some of the old ones. At the meeting of the trustees on November 1, a committee was appointed to take charge of this work, and was authorized and directed to employ a landscape architect to assist in drawing suitable, comprehensive plans. The erection of an astronomical observatory, for which funds had been given by the late Joseph Van Vleck, and his brother, Professor Van Vleck, was authorized. The building will be placed north of the Foss House, on the knoll which was recently purchased. The construction of an addition to the Fayerweather Gymnasium, containing a swimming pool, was also authorized. The funds for this work have been pledged by a donor who prefers to remain anonymous. To accommodate the increasing number of students, immediate steps are to be taken to erect a new dormitory and to remodel Memorial Chapel, and they should be ready for occupancy in September next. For these two purposes the committee must look to friends of the University to supply the needed money.

For the efficient work of both faculty and students there is the most urgent need of fireproof buildings of the most approved modern construction and convenience to house the library and the department of chemistry. The safe housing of the valuable museum collections, and the convenient accommodation of the departments of biology and geology, must be arranged, perhaps by remodeling Judd Hall and the present library building. Any delay in securing these urgently needed accommodations can with difficulty be tolerated, but such relief is entirely dependent upon the receipt of gifts for the specific purposes.

REGISTRATION.—For the first time the total attendance at Wesleyan exceeds 400, the registration being at present 410, as compared with 396 last year. The entering class numbers 123, exceeding all previous classes except that of 1913, which entered 133 strong. These figures furnish the more reason for congratulation as the increase of ten per cent in the number of the entering class this year over last is a larger percentage of growth than is shown by any other New England college this year—in fact all but two or three have smaller entering classes than last year.

ADVANCED STANDING.—This year twelve men enter Wesleyan from other colleges, with advanced standing. The increase in the number of men entering each year with advanced standing has been one of the notable features of the growth in attendance under President Shanklin's administration. Wesleyan ought to attract an even larger number of such men, especially from the smaller western colleges from which every year a considerable number of men enter the various New England colleges.

FIVE HUNDRED MEN.—Wesleyan University has her mission as a small college. The raising of the attendance above the four hundred mark poses the question of the limit of size of the student body. In his inaugural address, President Shanklin set the figure at five hundred, and that opinion has the approval of trustees, faculty, and alumni.

Increased endowment, new buildings, additional members of the faculty, and new courses of study, were essential to keep Wesleyan a first-class college for three hundred men, the attendance when President Shanklin was elected four years ago. The equipment requisite for three hundred men can be used with greater economy by five hundred men.

In seeking an attendance which shall approximate five hundred men, it is proposed to enforce such high standards for admission, for continuance in college, and for graduation, that the advantages of the University shall be enjoyed only by those who are both able and willing to prove themselves worthy of its high privileges. The current expenses of the University are almost exactly five times the amount received in fees from the students, so that it is not merely an economic waste, but a gross injustice to tolerate in the University any who fail to profit by its opportunities. The constantly improving facilities of the University demand that any growth in attendance shall be accompanied by a more rigid enforcement of scholarly standards. Thus shall the Wesleyan degree ever signify high excellence of character and of scholarship.

MASTER'S DEGREE.—Another action raising Wesleyan requirements was adopted by the board of trustees in June, upon recommendation of the faculty. Henceforth no new candidates for the master's degree in absence will be matriculated, and those already matriculated will be required to complete their work within a reasonable time. A careful study of the records showed conclusively that the system of master's work in absence had failed to justify itself. Its abolition will increase the value of the degree to those who earn it in residence. Some important modifications of the rules concerning master's work in residence have also raised the standard for that degree.

THE FINE ARTS.—In the upbuilding of Wesleyan University the insistent demands of the sciences and the liberal arts have almost totally deprived the fine arts of consideration. In the teaching of literature and the development of literary appreciation Wesleyan has long held an enviable position among the colleges of the country, but only a small part of the time of one course is at present devoted to the fine arts. With the illustrative aid of three portrait casts and some lantern slides, several upper-classmen hear a few lectures on sculpture in the course on Greek Civilization. Music and the drama are consigned to the voluntary mercies of three undergraduate organizations. Is Wesleyan giving its students a genuinely liberal culture when it thus fails to develop in them aesthetic tastes and cultivate their powers of artistic appreciation and expression?

It is not necessary that departments of the fine arts should be established or large sums expended in order to afford some valuable instruction in aesthetics and some excellent opportunities for the enjoyment of the different forms of artistic expression. Lectures on art, loan exhibitions of paintings, drawings, and engravings, musical recitals, and performances of the classic dramas, might be arranged each year, and, with the assistance of the people of Middletown, be made to defray, in large part, their expense. Might not a faculty committee be appointed and granted an annual appropriation to carry out each year some of these suggestions? Might not the gift of a well chosen, though not necessarily large, collection of casts of ancient sculpture, arranged in the large vacant basement of Fisk Hall, increase several fold the value of the instruction in Greek sculpture, and serve a far wider purpose as well? Might not another gift provide for the purchase and mounting in wing-cases of a collection of art photographs, especially the series of colored prints of paintings by the old masters? When Memorial Chapel is remodeled, might not the organ be rebuilt and

enlarged so as to fit it for use in recitals such as are so popular and so thoroughly enjoyed in some other colleges?

The need for some such cultivation of the fine arts is the more serious, because a large proportion of the student body come from localities where there are few or no opportunities to develop an artistic taste. Should not Wesleyan bring to these men the enrichment of life that such opportunities would afford?

FINANCIAL EXHIBIT.—The finances of the University for the past fiscal year show a gratifying increase of \$196,415 in the property of the University, of which \$19,300 is added to the value of the material equipment, and \$177,115 to the endowment funds. Scholarship endowments have been increased \$65,500, almost doubling the amount. A slight increase in the library endowment carries that fund above \$100,000. The payments to the new endowment fund for the year ending June 30, 1912, amounted to \$218,612, making the total at the end of the year \$284,128. The most notable single contribution received during the year was the bequest of \$40,000 from the estate of the late Walter Hubbard of Meriden for a scholarship fund. A decrease of \$39,530 in the deficit is shown, and during the first thirty days of the new fiscal year the remaining \$49,540 was paid off.

The average rate of yield of the investments decreased one quarter of one per cent. partly because of the necessity of renewing certain investments at a lower interest rate, and partly because nearly \$200,000 was added to the investments in the last months of the year and so failed to show its full proportionate return. The variation of certain items of expenditure from the normal is due to conditions associated with the campaign for the new endowment, or is otherwise explained in the completely itemized form of the Financial Exhibit.

ALUMNI COUNCIL.—In the meeting of the Alumni Council on November 2, the permanent organization was completed by the election of Warren French Sheldon, '99, as secretary. Mr. Sheldon has taken up his residence in Middletown, and his office in East Hall will be the headquarters for all matters affecting the alumni. Mr. Sheldon will be glad to welcome there all alumni as they revisit Middletown, and consider with them any matters relating to the interests of the alumni or of the University. The first efforts of the secretary will be to study the workings of similar organizations in other institutions and to perfect the organization of the council and its methods of work. He will also give much attention to publicity work. Other lines of activity will be

developed as time goes on. It is cause for congratulation that a man with gifts so peculiarly fitting him for the work has been found to serve as secretary.

WILBRAHAM ACADEMY.—While there has never been any organic connection between Wesleyan Academy at Wilbraham and the University, intimate and cordial relations have always subsisted between the two institutions. In a way the Academy was the parent of the University, and its first president became the first president of the University. In June, 1911, circumstances made advisable the temporary closing of the Academy. Since then \$50,000 has been raised and expended in repairs and alterations so that the plant has been completely renovated. The practice of coeducation which had existed from the founding of the Academy has been terminated. The Academy was reopened as a school for boys in September, 1912. Professor Winchester is the president of the board of trustees, which includes several other alumni of the University. Several of the new faculty are also graduates of the University, the principal being Gaylord William Douglass, '00. The opening of the Academy under the new régime was marked by appropriate exercises on November 8-9, at which Professor Winchester presided, and President Shanklin was one of the speakers. The University extends most cordial greetings to the Academy and best wishes to the new administration.

THE PRESIDENTIAL ELECTION.—Reference is made on another page to the earnest, intelligent interest in the issues of the recent presidential campaign displayed by the undergraduates.

Wesleyan men felt a special interest in the campaign because President Taft had visited the University at the installation of President Shanklin, and because Governor Wilson had once been a member of the Wesleyan faculty. Mr. Wilson was Professor of History and Political Economy from 1888 to 1890 and published at that time his well-known book, *The State*. The scope of his influence in the University was quite out of proportion to the brief period of his connection with it. His keen interest in the undergraduates and their activities, especially in football, have been recalled during recent months. The members of the faculty who were his contemporaries retain pleasantest memories of him as a colleague. Wesleyan men, without consideration of party, will watch his career as president with keen interest and hearty good wishes.

TRIBUTE TO PROFESSOR VAN VLECK *

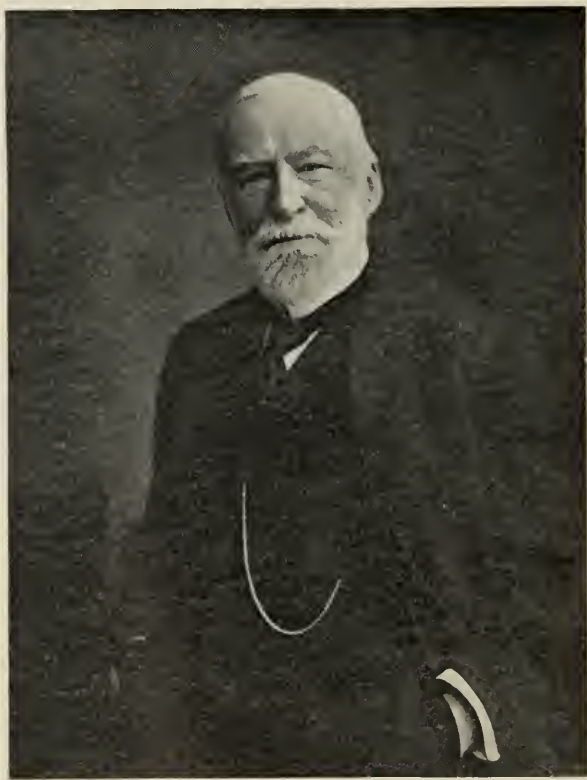
John Monroe Van Vleck, for nearly sixty years professor in Wesleyan University, died at his home in Middletown, on the evening of November 4.

The death of Professor Van Vleck removes one of the most eminent scholars and successful educators of the last generation. He was graduated from Wesleyan University in the class of 1850. After teaching a year in the academy at East Greenwich, R. I., he spent two years as assistant in the Nautical Almanac office in Cambridge, and was then recalled to his Alma Mater as adjunct professor of mathematics. Three years later he was appointed professor of mathematics and astronomy, and performed the full duties of that professorship from 1858 to 1904, when he retired from active service and was made professor emeritus. He was three times acting president of the University, for periods of from one to three years each. He was widely known as an astronomer, and was a member of several learned societies both in this country and abroad. As a college teacher, fifty classes of Wesleyan alumni that have sat in his lecture-room can attest the clearness of his thinking, the precision of his speech, and a certain kindly intensity of manner which often made very inapt students interested in the difficult subject that he taught. Few teachers can ever have had more power to stimulate in their pupils the cardinal intellectual virtues of logical thought and exact statement.

But probably it may be said with truth that the greatest work of Professor Van Vleck was done neither in the observatory nor in the class-room. He deserves to be remembered, not chiefly as an astronomer or as a teacher, eminent as he was in both those capacities, but rather as one of the makers of Wesleyan University. He was called to his chair when the young college was barely twenty-five years old, its policy as yet largely undecided, its rank among the institutions of New England as yet uncertain. He was the one member of its faculty in continuous service for a period covering more than two-thirds the whole history of the college; and it was to his wise counsels that Wesleyan University is largely indebted for its steady and consistent development. It is not too much to say that, for the greater part of his long term of service, he was the leading mind of the faculty. He kept himself thoroughly conversant with the changing methods and ideals of the higher education, and at every period of crisis or advance his counsels were

* This tribute, written by Professor Winchester, appeared in *Zion's Herald* of November 14, 1912.

always weighty and usually decisive. In the evolution of the curriculum, in the methods of administration, in the choice of new officers of instruction, in shaping the general policy of the college, his influence



JOHN MONROE VAN VLECK

was always prominent. No other man had so much to do in making Wesleyan University what it is to-day; no one man is now left alive who knows so much of its history as he knew. The new and well-appointed astronomical observatory soon to be erected in Middletown will perpetuate his name and continue the work of his professorship; but his best

memorial will be in the grateful remembrance of all those who know the history of Wesleyan University.

Any sketch of Professor Van Vleck would be very inadequate that did not mention his unusual breadth of attainment and the range of his interests outside his profession. As one of his old friends remarked the other day, he was a lover of truth wherever truth is to be found. A singularly clear, strong thinker, he had made up his mind on almost all important subjects. Modest even to shyness, averse to all publicity or display, yet the soundness of his judgment and the intensity of his convictions gave him a commanding influence in whatever society he moved. He took an active interest, all his life, in whatever concerned the public welfare; only a few days before his death he expressed his regret that he could not live long enough to cast a vote in the recent presidential election. His religious convictions were equally pronounced; for more than half a century the Methodist Episcopal Church in Middletown had no wiser, more devout, or helpful member. He was three times lay delegate to the Methodist Ecumenical Conference—in 1881, 1891, 1901. The years of his professorship included the period during which the seeming antagonism between science and religion was most prominent. He was fully aware of the gravity of the questions raised by the new scientific teaching; but he found the essentials of his faith unshaken. His life was a constant example of the union of the devout belief of the Christian with the open mind of the scientist.

His was a mind of rare and generous culture on all sides, broadened by extensive travel and observation, by wide reading, especially in history, literature, and philosophy, and always open to the charm of all forms of art. This broad humanity, tempering his characteristic positiveness of opinion, and combined with a singularly genial disposition, made him a most delightful companion. The host of Wesleyan alumni, old and young, will honor and revere his memory; but to a smaller circle of those of us half a generation younger than he, who first met him when we were just passing into manhood and he was in the flush of mid-life, who for more than thirty years knew him in the daily intercourse of professional duty, who saw him often in the delightful atmosphere of his home, who were privileged sometimes to share his better-instructed enjoyment of books or art or music or travel, who often went to him for wise counsel or sympathy or encouragement, and never went in vain—to us his departure brings a personal grief, lessened only by our memory of his long, useful, noble life.

At a meeting of the faculty on November 18, the following resolution was adopted by a rising vote:

JOHN MONROE VAN VLECK

1833-1912

The Faculty of Wesleyan University deem it fitting to place on their records an expression of their high appreciation of the work and character of one who has been for so many years the loved and honored Senior Professor.

No man in all the history of the college has been intimately associated with its life and work for so long a period. Undergraduate, 1849-50; Bachelor of Arts, 1850; Master of Arts, 1853; Doctor of Laws, 1900; Adjunct Professor of Mathematics, 1853-57; Professor of Mathematics and Astronomy, 1858-1904; Professor Emeritus, 1904-12; Acting President, 1872-3, 1887-9, 1896-7; Vice-President, 1890-1903.

In the half-century of his active service in the faculty, he exerted an influence upon the lives of his pupils and upon the collective life of the institution, far-reaching, profound, and beneficent.

He was an inspiring teacher, especially to the better students in every class. His thought was surpassingly clear, his language critically accurate. His love of truth was intense—the ruling passion of his soul. His students found in his teaching intellectual awakening and moral inspiration. They learned to think clearly and to speak sincerely.

Professor Van Vleck was for twoscore years the dominant influence in the shaping of the curriculum, in the choice of instructors, and in guiding the general policy of the college. Especially in the series of changes inaugurated in 1873, by which the college passed from the old régime of fixed curriculum and rigid disciplinary administration to the elective curriculum and the freer life of the modern university, Professor Van Vleck was the leader. Others helped to shape the details of the new program, but his were the inspiring principles. The lofty ideals and the high standards of which Wesleyan University is justly proud it owes to him more than to any other one man.

He was an earnest student in his own department, but had a broad and liberal sympathy with all the intellectual life of the age. He was a man of wide reading in literature and history, in philosophy and theology. He was an enthusiastic lover of art. He desired a fuller development of his chosen department in the college; and the munificent gift of his brother, Joseph Van Vleck, for the new observatory, was supplemented by generous contributions of his own. But he rejoiced with liberal sympathy in all good work done and in all progress made in every department.

He was a man of tender and affectionate heart. And for the love he gave he received a rich recompense of love. His memory will be gratefully cherished by multitudes of his former students, and most of all by those who, as his colleagues in the faculty, have found in him generous sympathy and inspiring counsel.

He was a loyal member of the Methodist Episcopal Church, a patriotic citizen, a man profoundly in sympathy with all the philanthropic movements which are the glory of our age.

Wesleyan University is growing richer in the memories of earnest students, inspiring teachers, wise counselors, and men of pure and honest and gentle lives. Among the noblest names on that roll of honor stands the name of John Monroe Van Vleck.

TRUSTEE MEETINGS

An adjourned meeting of the board of trustees was held in the Manhattan Hotel, New York City, June 4, 1912.

The following appointments to the faculty were made, all for one year: Doctor Leroy Albert Howland, Associate Professor of Mathematics; Doctor Burton Howard Camp, Associate Professor of Mathematics; Doctor David Day Whitney, Associate Professor of Zoölogy and Acting Curator of the Museum; Doctor Raemer Rex Renshaw, Associate Professor of Chemistry; John Wesley Wetzel, Instructor in Public Speaking; Louis Bliss Gillet, Instructor in English; Albert Mann, Jr., Instructor in Romance Languages; John Peter Senning, Instructor in History; Doctor Lee Ward, Instructor in Chemistry; Edith Leona Eastman, Assistant Librarian.

The President was authorized to secure an assistant for Professor Conn.

It was voted to reduce the fees in the course in organic chemistry from \$10 to \$8.

The President was authorized to confer the degree of Doctor of Laws on Governor Simeon Eben Baldwin of Connecticut and on Doctor Amos Jay Givens of Stamford, Connecticut.

It was voted that no application for the degree of Master of Arts *in absentia* be received after January 15, 1913.

The degree of Master of Arts *ad eundem* was conferred on President Shanklin.

The condition of the endowment fund was presented by J. C. Clark, vice-president of the board, and by President Shanklin. The statement showed something more than \$800,000 in actual pledges to date.

The annual meeting of the board of trustees was held June 17, 1912, in Middletown.

The following were elected officers of the board for the ensuing year: President, J. C. Clark; Vice-President, John Gribbel; Secretary, D. G. Downey; Treasurer, C. D. Burdick.

The following resignations from the board were offered and accepted: F. S. Jones, C. D. Jones, J. G. Shepherd, and A. E. Sutherland.

A report of election of alumni trustees was presented showing that D. G. Downey and J. E. Eustis had been elected.

The following trustees were reelected to serve for five years from October 1, 1912:—J. M. Buckley, J. N. Brown, A. J. Givens, W. U. Pearne.

The following new trustees were elected to fill unexpired terms:—W. F. Hamilton, '79, in place of J. G. Shepherd, term to expire in 1915; G. W. Davison, '92, in place of C. D. Jones, term to expire in 1914; W. H. Hall, '92, in place of F. S. Jones, term to expire in 1917; H. I. Harriman, '95, in place of A. E. Sutherland, term to expire in 1916.

The usual committees of the trustees were appointed.

The following resolution was adopted:—"We desire to put on record our endorsement, approval, and deep appreciation of the untiring effort of the committee on endowment, of their optimism, their courage, their patience, their enthusiasm, and their success in this great endeavor for the enlargement of the endowment of the University."

The following amendment to Section 4, Chapter 3, of the By-Laws was adopted:—Sec. 4. The executive committee shall take the general charge of the interests of the University in the intervals between the meetings of the board and shall have all the powers of the board during such intervals so far as the same pertain to the business affairs of the University, excepting such powers as are specifically committed to the finance committee; shall provide, until the next meeting of the board, for any vacancy occasioned by the death, sickness, or disability of any officer of the University, and shall have power to make temporary appointments of officers of instruction; shall transact any business that may be specifically committed to them by the board; shall exercise due vigilance to prevent loss or damage to the property of the University; may make and execute leases of the rentable property of the corporation; shall have power to expend all money requisite for the discharge of the duties imposed upon them by these by-laws or by special vote of the board; and shall audit and authorize the payment of all bills, not otherwise provided for by action of the board, provided, however, that they shall have power to commit the auditing and authorization of the

payment of current bills to a sub-committee consisting of not less than five members, of whom the presence and concurrence of not less than three members shall be necessary for any action.

Section 5 of the same chapter was amended to read as follows:—Sec. 5. The finance committee shall have supervision of all the funds of the University, direct the investment and reinvestment of the same, and audit the accounts of the treasurer. For the purpose of such investment and reinvestment, said committee is hereby given full and complete authority to purchase and take and to sell and transfer in the name of the corporation every kind of estate, real, personal, or mixed, and so to do in every case without further authority from the corporation or the trustees. The presence and concurrence of four members shall be necessary to make or change investments. Said committee shall report its doings and the condition of the funds at the annual meeting, and whenever requested by the board.

The following appointments to the faculty were made, all for one year: Bert Emsley, Instructor in English; Enoch Burton Gowin, Instructor in Social Science; Doctor John Kenyon Lamond, Instructor in Mathematics; Doctor Friedrich Schoenemann, Instructor in German; Ralph Maynard Holmes, Assistant in Physics; Robert Reed Stevens, Assistant in Chemistry; Floyd Hill Frame, Assistant in Physics.

The President was authorized to confer the degrees of Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science upon certain candidates recommended by the faculty.

The by-law requiring ten days' notice to the committee on honorary degrees was suspended, and it was voted to confer the honorary degree of Master of Arts on John Wesley Narraway, of the class of '62.

Upon recommendation of the faculty, the following rule was adopted: Candidates for the bachelor's degree who satisfy the requirements for honors in general scholarship may in their senior year be admitted to candidacy for the master's degree, provided that the amount of their undergraduate work remaining to be completed at the close of the September special examinations does not exceed three hours. Except by express permission of the committee on graduate instruction, their undergraduate work must satisfy the group requirement in such manner that they are free to elect the remaining three hours in the department or departments in which they intend to do graduate work. Such candidates shall rank as graduate students and shall not be members of any athletic or debating teams, musical or dramatic organizations, or take part in any similar undergraduate activity. This rule, however, shall not necessarily debar them from competing for any prize for which they would

be eligible as undergraduates. The entire work of these candidates shall be under the direction of the committee on graduate instruction. The master's degree shall not be conferred upon them until the Commencement succeeding that at which the bachelor's degree has been conferred.

An adjourned meeting of the board of trustees was held in Fisk Hall, Middletown, on the evening of November 1, 1912.

President Shanklin spoke briefly regarding the completion of the million dollar endowment fund, and in the course of his remarks introduced the new members of the Board: J. E. Eustis, W. F. Hamilton, G. W. Davison, W. H. Hall, and H. I. Harriman.

He called attention to the fact that 1,374 individuals had made subscriptions to the endowment fund, 289 of these being undergraduates. He also stated that the total amount contributed by members of the board of trustees, not including the subscriptions of the new trustees elected in June, 1912, was \$312,415, and concluded with an optimistic statement concerning the general condition of the college.

Treasurer C. D. Burdick stated that the financial report was now in the hands of the printer and would be mailed to the members of the board within two weeks. He further said that on July 24, 1912, all the debts of the college had been paid, and there had been collected in addition approximately \$225,000. Since July 24 he had received \$90,000. When these amounts are added to the amount received or due from the General Education Board, it will be seen that nearly \$400,000 has thus far been received from subscriptions toward the endowment fund and the payment of the deficit.

The chair was authorized to appoint a committee of seven on buildings and grounds, the president of the board and the president of the University to be members of the committee, and the committee to have power to add to its number as it may deem wise.

Professor Kulms was granted leave of absence for the second half of the college year 1913-14.

The degree of B. A. was voted to C. W. Marshall, who has completed the work necessary for the degree.

The resignation of E. A. Bishop as trustee from the Vermont conference was accepted, and the secretary was directed to express an appreciation of Doctor Bishop's service and regret at his necessary resignation.

It was voted that the committee on faculty, with the finance committee of the board, be requested to report at the next meeting of the board detailed recommendations as to increase of salaries of members of the faculty.

Income from apparatus funds	-	-	-	-	-	-	\$549 35
Income from Wesleyan hospital fund	-	-	-	-	-	-	250 63
From Carnegie Foundation	-	-	-	-	-	-	3,075 00
Income from annuity funds	-	-	-	-	-	-	904 30

\$196,385 38

PAYMENTS FOR CURRENT EXPENSES

Maintenance and care of buildings and grounds	-	-	-	-	-	-	\$28,449 82
Administrative expenses and incidentals	-	-	-	-	-	-	16,979 84
College dining hall	-	-	-	-	-	-	7,854 56
Salaries	-	-	-	-	-	-	73,880 00
Library, book purchases only	-	-	-	-	-	-	4,896 54
Gymnasium (including salary of director)	-	-	-	-	-	-	2,652 75
Prizes, endowed	-	-	-	-	-	-	325 00
Prizes, unendowed	-	-	-	-	-	-	295 00
Scholarships	-	-	-	-	-	-	3,933 62
Annuities	-	-	-	-	-	-	900 00
Appropriations to departments, laboratories, library, and museum	-	-	-	-	-	-	9,653 81
American School at Athens	-	-	-	-	-	-	200 00
Retiring allowances	-	-	-	-	-	-	3,575 00
Wesleyan hospital fund	-	-	-	-	-	-	281 99
Interest paid on loans and advanced on investments	-	-	-	-	-	-	1,315 53
Expenses of new endowment fund committee	-	-	-	-	-	-	2,083 21
Bills payable	-	-	-	-	-	-	39,000 00

\$196,276 67

COMPARATIVE SUMMARY OF PROPERTY

	1911	1912
University grounds, buildings, and con-		
tents	\$1,081,786 93	\$1,101,086 61
Investments	1,566,535 03	1,715,634 13
Cash	23,186 01	51,310 72
Balance due from income account	89,070 53	49,540 71
	\$2,760,578 50	\$2,917,572 17

University grounds, buildings, and con-									
tents	-	-	-	-	-	-	\$1,081,786	93	\$1,101,086 61
Endowment funds	-	-	-	-	-	-	1,637,034	71	1,814,149 81
Balances	-	-	-	-	-	-	2,756	86	2,335 75
Bills payable	-	-	-	-	-	-	39,000	00	
							\$2,760,578	50	\$2,917,572 17
Less income balances and bills payable	-						41,756	86	2,335 75
							\$2,718,821	64	\$2,915,236 42
Increase	-	-	-	-	-	-			\$196,414 78

COMPARATIVE SUMMARY OF RECEIPTS AND EXPENDITURES

	1911		1912	
	Receipts	Expenditures	Receipts	Expenditures
General cash ac-				
count - -	\$174,880 18	\$178,644 42	\$376,546 68	\$348,530 68
Income account	156,500 98	154,234 94	196,385 38	196,276 67
	\$331,381 16	\$332,879 36	\$572,932 06	\$544,807 35

The total receipts from investments during the year were \$84,225.88. The income of the general investments has been divided at the rate of 4.885 per cent among the funds and balances to which these investments belong, no interest being allowed to the profit and loss account for general endowment, and only the interest called for by agreement being allowed on the annuity funds. By vote of the board of trustees, the expenditures from any library, scholarship, or prize fund, in any one year, shall not exceed $4\frac{1}{2}$ per cent of the principal of said fund. Any income above $4\frac{1}{2}$ per cent is added to the principal of the fund.

During the year payments of \$1,269.24 increased the alumni fund from \$91,808.74 to \$93,077.98. Of the new payments \$1,117.34 was credited to the general endowment fund, and \$151.90 to the general income account.

During the year payments of \$218,611.65 increased the new endowment fund from \$65,516.65 to \$284,128.30. Of this amount \$174,128.30 has been added to the general endowment, \$71,000 has been used to increase old funds or to found new ones, and \$39,000 has been applied to the reduction of the accumulated deficit.

For the sake of clearness, a statement of the annual deficit or surplus for the last five years (after deducting subscriptions to meet current expenses) is here presented:—

1907-08	-	-	-	-	-	-	-	-	\$18,451 84
1908-09	-	-	-	-	-	-	-	-	15,325 69
1909-10	-	-	-	-	-	-	-	-	40,195 34
1910-11 (surplus)	-	-	-	-	-	-	-	-	2,415 50
1911-12 (surplus), transfer included	-	-	-	-	-	-	-	-	529 82
Accumulated deficit, June 30, 1912	-	-	-	-	-	-	-	-	49,540 71

Subscriptions to meet current expenses have been made as follows:—

1907-08	-	-	-	-	-	-	-	-	\$5,339 55
1908-09	-	-	-	-	-	-	-	-	2,662 76
1909-10	-	-	-	-	-	-	-	-	847 34
1910-11	-	-	-	-	-	-	-	-	20,846 98
1911-12	-	-	-	-	-	-	-	-	451 90

RECENT GIFTS

Since the publication of the last *Bulletin* the new endowment fund has been increased by gifts aggregating \$240,784.37. Of this amount \$168,672.24 has been received since July 1, 1912.

The general endowment has been increased by the following gifts: \$1,000 from Albert C. Sparks to establish an annuity fund, which will eventually become the Celina H. Sparks scholarship fund; \$1,000 from the estate of Mrs. Elizabeth F. Vanderveer; securities valued at \$19,000 from the estate of Samuel W. Bowne.

W. R. Walkley, '60, has added \$30 to the principal of the Walkley prize fund. Additional payments of \$72 have been received for the undergraduate building fund for North College; and further payments to the alumni endowment fund have been made amounting to \$449.20.

WESLEYAN HOSPITAL FUND

In 1909 the committee of ladies which had collected the Wesleyan Hospital Fund, turned over to the treasurer of the University the principal of the fund, amounting to \$5,232.42.

The income of the fund to November 1, 1912, amounted to \$812.62. To the same date 28 cases had been cared for, the total expenditure being \$678.34. The balance of \$125.28 was accumulated during the first

two years. Last year the expenses nearly equalled the receipts. This fund was collected for a student body of three hundred and it is not adequate for the number of men now in college.

Hearty thanks are due to the medical and surgical staffs and to the superintendent of the Middlesex Hospital for the excellent care taken of the students who have been sent to the hospital. All cases have been treated successfully.

ANNUAL MEETING OF THE ALUMNI ASSOCIATION

The annual meeting of the Alumni Association was called to order at 10:20 A. M. on Tuesday, June 17, 1912. On motion of H. H. Beattys, '88, the following resolution was adopted:

Resolved, That this Association express their hearty thanks to J. C. Clark, '86, for his splendid services rendered in securing the alumni endowment fund.

R. C. Parker, '93, spoke in commendation of the work of L. E. Gordon, '94, and W. H. Hall, '92, in behalf of the endowment fund, noting in it another sign of the power of President Shanklin to impress men.

The following officers were elected for the ensuing year: *President*, C. F. Rice, '72; *First Vice-President*, J. A. Cole, '87; *Second Vice-President*, G. W. Davison, '92; *Third Vice-President*, E. A. Noble, '91; *Recording Secretary*, B. H. Camp, '01; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, W. E. Fairbank, '93; *Executive Committee*, M. B. Crawford, '74; M. E. Culver, '75; J. F. Calef, '77; E. G. Derby, '83; A. F. Goodrich, '99. As alumni trustees D. G. Downey, '84, and J. E. Eustis, '74, were elected for five years from October 1, 1912.

ALUMNI ATHLETIC ASSOCIATION

The annual meeting of the Alumni Athletic Association was held in Lower Chapel on Tuesday, June 18, 1912, at 11:55 A. M., President A. F. Goodrich, '99, in the chair.

In the absence of the treasurer, S. V. Coffin, '89, read on his behalf a report showing that an organized effort had been made to increase the membership and the financial strength of the association. In spite of the fact that active effort was discontinued by February 1 so as not to come into conflict with the endowment campaign, the paid membership had been increased to 368 as compared with 236 of the previous year, and the total amount of money collected to \$1,334 as against \$887—a growth of between sixty and seventy-five per cent. From the funds

received the full salary of the football coach, \$850, and over \$325 toward the salary of the baseball coach had been paid.

S. V. Coffin, '89, was elected to succeed himself as alumni representative on the athletic council.

The following officers were elected: *President*, A. F. Goodrich, '99; *Vice-President*, W. B. Day, '91; *Secretary-Treasurer*, H. B. Shonk, '03, 2 Rector Street, New York City.

L. E. Gordon, '94, gave a very encouraging report of the financial situation of athletics at Wesleyan during the past year, showing a credit balance of \$1,200 for the year.

ALUMNI COUNCIL

At the regular annual meeting held in Middletown, November 2, the Alumni Council completed its organization by the election of W. F. Sheldon, '99, as secretary. A. B. Carrington, '76, was elected president for the ensuing year. G. I. Bodine, Jr., '06, and K. M. Goode, '04, were elected members at large for a term of five years.

An office is being equipped for the secretary in East Hall which will serve as headquarters for the alumni. The trustees of the University are bearing the major expenses of the Council upon terms that have been arranged with the finance committee.

Progress has been made already in the direction of improved methods of publicity and closer relations with important preparatory schools. The other departments of the Council will soon be at work, following the appointment of the committees for the new year.

The policy of the Alumni Council is thus stated by the new secretary: "The first problem, and the abiding one, of the Council is not to supplant the existing alumni organizations but to supplement and coördinate their activities until the entire brotherhood of Wesleyan men, graduate and undergraduate, is working together as one compact body for Wesleyan ideals under the leadership of a faculty and an administration second to none."

WARREN FRENCH SHELDON, the new secretary of the Alumni Council, was graduated from Wesleyan in the class of 1899, with the degree of B. A. He received the degree of B. D. from Hartford Theological Seminary in 1906. He is a member of the New York East Conference of the Methodist Episcopal Church and has held four appointments in Connecticut, and one in New York city from which he was called to Wesleyan six months ago to serve as assistant to the president.

STATISTICS CONCERNING THE ALUMNI

PART II

This is the second of a series of articles, containing statistics compiled from the new *Alumni Record* by Professor Nicolson, its editor. Part I was published in the May *Bulletin* of this year.

I. SOCIETIES

Of the 2,627 men who have graduated from Wesleyan, 2,014 have been members of the Greek letter societies or the Commons Club, as follows:—Phi Nu Theta (Eclectic) (founded 1837), 459; Psi Upsilon (founded 1843), 515; Chi Psi (founded 1846, in abeyance 1861–1876), 121; Alpha Delta Phi (founded 1856), 353; Delta Kappa Epsilon (founded 1867), 294; Beta Theta Pi (founded 1890), 87; Commons Club (founded 1899), 103; Delta Tau Delta (founded 1902), 82. Of the 2,849 men and women who have graduated, 878 were elected to Phi Beta Kappa.

Of the 222 women graduates, 94, or 42.38 per cent, were elected to Phi Beta Kappa. Of the men in the same classes with these women (1,518 altogether), 421, or 27.73 per cent, were elected to Phi Beta Kappa.

2. AGE AT GRADUATION

	First Decade 1833-40	Second Decade 1841-50	Third Decade 1851-60	Fourth Decade 1861-70	Fifth Decade 1871-80	Sixth Decade 1881-90	Seventh Decade 1891-1900	Eighth Decade 1901-10
Average age at graduation, - - -	23.27	22.87	24.09	24.45	24.41	23.88	24.18	23.60
Oldest graduate, - -	32.33	34.08	38.00	38.67	33.67	33.00	41.17	35.50
Youngest graduate, -	16.50	16.25	17.75	19.17	19.58	19.25	19.25	19.25

The average age at graduation for all graduates has been 23.63 years, the greatest age at graduation being 41.17 years, and the youngest graduate being 16.25 years old at the time of receiving his degree.

3. BIRTHPLACE

The states and foreign countries in which the graduates of Wesleyan were born are shown in the following statement:—

New York, 722; Connecticut (Middletown, 128; elsewhere, 419), 547; Massachusetts, 351; Maine, 194; Pennsylvania, 194; New Jersey, 162;

Vermont, 138; New Hampshire, 112; Rhode Island, 39; Maryland, 32; Ohio, 31; Indiana, 15; Illinois, 13; Virginia, 9; District of Columbia, 9; Missouri, 7; Iowa, 7; Delaware, 7; West Virginia, 6; Michigan, 6; North Carolina, 5; Mississippi, 5; Wisconsin, 5; Kentucky, 4; California, 3; Georgia, 3; Oregon, 2; Colorado, 2; Kansas, 1; Tennessee, 1; Nebraska, 1; Minnesota, 1.

Foreign Countries.—England, 38; Canada, 32; Ireland, 11; India, 6; Germany, 5; Scotland, 4; Sweden, 4; Wales, 3; Russia, 3; Mexico, 1; Cuba, 1; Japan, 1; Australia, 1; Central America, 1; Bermuda, 1; Bohemia, 1; Norway, 1.

The relative position of the leading states as the birthplace of Wesleyan graduates is shown in the following table, where 1 represents the leading state in numbers for a given decade, 2 the second state, and so on.

	1833-40	1841-50	1851-60	1861-70	1871-80	1881-90	1891-1900	1901-10
New York, - - -	1	1	1	1	1	1	2	2
Connecticut, - - -	2	2	3	3	3	2	1	1
Massachusetts, - - -	3	3	2	2	2	3	4	3
Maine, - - -	4	6	6	4	4	5	5	6
New Hampshire, - - -	5	4	4	6	5	—	—	—
Vermont, - - -	6	5	5	5	6	—	—	—
Pennsylvania, - - -	—	—	—	—	—	4	3	4
New Jersey, - - -	—	—	—	—	—	—	—	5

4. OCCUPATIONS

The following shows the occupations of Wesleyan graduates, including, where one engaged in several occupations, that to which he devoted the greatest number of years:—

Clergymen, 674, as follows: Methodist Episcopal, 573; Congregational, 41; Protestant Episcopal, 38; Baptist, 6; Presbyterian, 6; Unitarian, 5; Reformed Church, 2; Catholic, 2; Lutheran, 1.

Business, 529.

Educators, 745, as follows: teachers, 380; principals of schools, 177; superintendents of schools, 25; inspector of schools, 1; college professors, 145; college presidents, 17.

Lawyers, 374.

Physicians, 139.

Journalists, 61.

Farmers, 35.

Students, as follows: law, 18; medicine, 17; theology, 16; dentistry, 1; graduate students, 15.

Miscellaneous, as follows: librarians, 16; chemists, 15; electrical engineers, 13; civil engineers, 12; Young Men's Christian Association secretaries, 10; government scientists, 10; missionaries, 8; government clerks, 6; organists, 5; inventors, 5; clerks, 4; architects, 4; stenographers, 4; dentists, 3; miners, 3; United States foresters, 3; United States consuls, 3; inspectors of customs, 3; proof readers, 2; private secretaries, 2; superintendents of charities, 2; bacteriologists, 2; geologist, 1; lieutenant of United States Army, 1; draftsman, 1; engraver, 1; nurse, 1; assistant superintendent of reform school, 1; secretary of chamber of commerce, 1; secretary of child labor committee, 1; sanitary expert, 1; computer, 1; mail clerk, 1; novelist, 1; hotel proprietor, 1; superintendent of tuberculosis sanitarium, 1; mining engineer, 1; accountant, 1; carpenter, 1; examiner, United States patent office, 1; secretary, United States embassy, 1.

From the above figures it appears that 573 or 20.6 per cent of Wesleyan graduates were Methodist ministers. To these might be added 127 others who were in the ministry for part of their careers. This makes a total of 700, which represents 25.5 per cent of all the graduates. Twenty-six per cent, or 745, of the graduates have been engaged in teaching either in school or college. To these might be added 583 others who have been engaged in teaching for part of their lives. This makes a total of 1,328, or 47 per cent, of the graduates, who have taught at one time or another. The percentage of those who have been engaged in the legal profession is 13.4; in business, 19. The number engaged in the five leading occupations in the several decades is shown in the following table:—

		1833-40	1841-50	1851-60	1861-70	1871-80	1881-90	1891-1900	1901-10
Methodist ministers,	-	32	56	107	104	89	67	75	43
Lawyers, - - -	-	23	43	48	42	56	49	66	47
Physicians, - - -	-	5	19	14	13	17	29	29	13
Teachers, - - -	-	48	69	49	28	46	101	168	210
Business, - - -	-	13	34	37	39	58	57	101	190

The following table shows the relative position of each of these occupations in the several decades, the figure 1 indicating the first position in point of numbers, 2 the second, and so on:—

	1833-40	1841-50	1851-60	1861-70	1871-80	1881-90	1891-1900	1901-10
Teachers, - - - -	1	1	2	4	4	1	1	1
Methodist ministers, -	2	2	1	1	1	2	3	4
Lawyers, - - - -	3	3	3	2	3	4	4	3
Business, - - - -	4	4	4	3	2	3	2	2
Physicians, - - - -	5	5	5	5	5	5	5	5

5. HONORS

Political Appointments: Members of state legislatures, 62; members of United States House of Representatives, 7; members of United States Senate, 3; State Treasurer, Connecticut, 2; Secretary of State, Connecticut, 2; Secretary of State, New Hampshire, 1; Secretary of State, Vermont, 1; Governor of Colorado, 1; Governor of Washington Territory, 1; Governor of Alaska, 1; Lieutenant-Governor, Iowa, 1.

Legal Appointments: Presiding judge of the commerce court; chief justice of the supreme court of Yucatan; chief justice of the supreme court of Dakota; justice of the supreme court of Colorado, of New York, of Canada; judge of the supreme court of Connecticut (2), of Kansas, of Nevada; associate justice, superior court of Rhode Island; judge of circuit court, New Hampshire, Ohio; district judge, Iowa, Kansas; county judge, California, New York; judge of the court of special sessions, Brooklyn, New York; attorney general of Delaware, of New York.

Educational Appointments: Superintendent of education for Louisiana; superintendent of Chicago high schools; corresponding secretary of the board of education of the Methodist Episcopal church (2); president of the following colleges and universities: Northwestern (4), Wesleyan (3), Dickinson (3), Lawrence (3), Claflin (2), Clark University, Georgia (2), Emory and Henry (2), Illinois Wesleyan (2), McKendree (2), Mount Allison (2), Ohio Wesleyan (2), Syracuse (2), Albion, Albuquerque, Allegheny, Anglo-Chinese College (China), Baker, Beaver, Boston University, East Tennessee Wesleyan, Garrett Biblical Institute, Genesee, Goucher, Hamline, Hillsdale, Methodist College (Rome), Montana Wesleyan, Moore's Hill, Mount Union, Pennsylvania State, Portland,

Spokane, University of Maine, University of Michigan, University of the Pacific, Upper Iowa, Victoria, Wilberforce, Wiley, Willamette.

Clerical Appointments: Methodist Episcopal Church, bishops, 9, presiding elders, 85; Methodist Episcopal Church South, two bishops; superintendent of missions in South Africa; general superintendent of the Free Methodist Church; editor of *Methodist Review*.

Among other important honors may be mentioned: Chaplain-in-chief, Grand Army of the Republic; member of the public service commission, New York City; director of the United States National Museum; mayor of Minneapolis, Minnesota.

APPOINTMENTS TO THE FACULTY

DURANT DRAKE, elected Associate Professor of Ethics and Philosophy of Religion, was graduated from Harvard in 1900 with the degree of B. A. During 1900-1901 he was resident at the University Settlement, New York City. From 1901 to 1903 he was a student at the Harvard Divinity School. In 1902 he received the degree of M. A. from Harvard in philosophy, and in 1911 the degree of Ph. D. from Columbia. He was instructor in philosophy at the University of Illinois, 1911-1912. He is a member of the American Philosophical Association, and read a paper at its last annual meeting in December, 1911. He is at present conducting a questionnaire with reference to the participation of college graduates of a decade ago in moral and religious progress. He has published:

The Religious Situation at Harvard, *Outlook*, v. 65, pp. 555-560, July 7, 1900.

The Problem of Things in Themselves. Pp. 50. Boston, George H. Ellis Company, 1911.

The Inadequacy of "Natural" Realism, *Journal of Philosophy, Psychology, and Scientific Methods*, v. 8, pp. 365-372, July 6, 1911.

What Kind of Realism? *Ibid.*, v. 9, pp. 149-154, March 14, 1912.

Sundry poems in the popular magazines.

FRIEDRICH SCHOENEMANN, elected Instructor in German, was graduated from the Werner Siemens Oberrealschule, Charlottenburg, Germany, in 1905. He studied philosophy and modern languages and literatures at Berlin and Marburg from 1905 to 1911, and received the degree of Ph. D. from the latter university in 1911. He taught German at the Normal College of the City of New York in 1912. He is a member of the Modern Language Association of America. His publications

include, besides a number of articles on literary, philosophic, and religious subjects:

Emanuel Geibel, *Eckart*, v. 3, pp. 445-452, April, 1908.

Achim von Arnims geistige Entwicklung, being v. 12 of Oskar F. Walzel's "Untersuchungen zur neueren Sprach- und Literaturgeschichte." Pp. xv, 269. Leipzig, H. Haessel Verlag, 1912.

JOHN PETER SENNING, elected Instructor in American History and Political Science, was graduated from the University of Iowa in 1905 with the degree of B. A. The previous year he was awarded the degree of Master of Didactics from the Iowa State Normal College for special work in pedagogy. He has pursued graduate study at the University of Minnesota, the University of Iowa, the University of Chicago, and in 1911-1912 was special research fellow at the University of Illinois, where he expects to receive the degree of Ph. D. as soon as his thesis is completed. He taught in Aberdeen High School, Aberdeen, South Dakota, 1905-1906, was head of the history department of Grand Forks High School, Grand Forks, North Dakota, 1906-1909, and instructor in history and political science at Illinois College, 1910-1911.

LEE WARD, elected Instructor in Chemistry, was graduated from Yale in 1906 with the degree of B. A. From 1906 to 1909 he served as laboratory assistant at Yale, and received the degree of Ph. D. from that institution in 1909. He was instructor at Swarthmore from 1909 to 1911, and assistant professor from 1911 to 1912. He is a member of Sigma Xi. He has published:

The Precipitation of Copper Oxalate in Analysis (with F. A. Gooch), *American Journal of Science*, v. 27, pp. 448-458, June, 1909.

The Estimation of Lead, Nickel, and Zinc by Precipitation as Oxalates and Titration with Potassium Permanganate, *American Journal of Science*, v. 33, pp. 334-338, April, 1912.

The Oxalate Permanganate Process for the Determination of Copper Associated with Cadmium, Arsenic, Lead, or Iron, *American Journal of Science*, v. 33, pp. 423-432, May, 1912.

ENOCH BURTON GOWIN, elected Instructor in Social Science, was graduated from University of Wisconsin in 1909 with the degree of B. A., and was awarded the degree of M. A. in 1910, majoring in sociology. In 1906 he had received the degree of Master of Didactics from the Iowa State Normal College. From 1910 to 1912 he was university scholar in sociology at Columbia, from which institution he expects to receive the degree of Ph. D. as soon as his dissertation is completed. He spent

three years as superintendent of schools in Nebraska and has been instructor in economics in Wisconsin Academy, Madison, and in the Nebraska State Normal School, Peru. In 1910 he was lecturer in the university extension department of the University of Wisconsin, in 1912 evening lecturer in the department of education of New York City. He has also served as inspector for the Committee on Safety for the City of New York and was special investigator for the New York State Factory Commission.

BERT EMSLEY, elected Instructor in English, was graduated from Harvard in 1911 with the degree of B. A. He was Instructor in English in Syracuse University, 1911-12.

RAYMOND HASKINS DRAKE, elected Assistant in Biology, was graduated from Wesleyan in 1912 with the degree of B. A., and has completed the work required for the degree of M. A., which he will receive in June, 1913.

FLOYD HILL FRAME, elected Assistant in Physics, was graduated from Clark College in 1912 with the degree of B. A.

DEPARTMENT NOTES

LATIN.—In the absence of Professor Harrington, Courses IV and V are conducted this year by Professor Hewitt.

GREEK.—In response to an insistent demand, the department is offering for the first time a course in beginners' Greek. No credit is given for the course unless it is followed the next year by Courses B and I and is passed with a grade of at least three. About fifteen men are taking the course.

GERMAN.—Owing to the absence of Doctor Curts the present year, there has been some rearrangement of German courses. Course III (German Daily Life and Institutions), formerly given by Professor Fife, is given this year by Doctor Schoenemann; Course V (Nineteenth Century Drama) by Professor Fife. Course VII, given in the second half-year, has heretofore consisted of a study of Heine's life and works; this year it will be replaced by a course on contemporary German literature, given by Doctor Schoenemann, to cover the main currents of German literature since 1880, with especial reference to modern culture and social conditions in present-day Germany and will be accompanied by rapid reading from the more important dramatists and lyric poets of the past three decades.

ENGLISH LITERATURE.—The class in English Literature I is conducted this year jointly by Professor Winchester and Mr. Gillet. Professor Winchester lectures to the whole class, Mondays, on the history of the literature, using Stopford Brooke's *History* as a basis or syllabus of his lectures; Mr. Gillet meets the class twice a week, in three sections, for an exercise in the reading and study of representative specimens of the literature.

Mr. Gillet also gives an elective course this year, open to juniors, on the literature of the later Victorian period—Rossetti, Swinburne, Morris, Newman, Stevenson, Meredith.

Mr. Bert Emsley (Harvard, '11) is Assistant this year in the department of English Literature and the department of English Language.

HISTORY.—Professor Dutcher retains charge of the introductory course in English History, of the seminary course for advanced seniors, and of the courses in European history. He intends to give the course in Modern European History since 1660 every year, and to alternate with the course in Mediaeval European History between 800 and 1660 a course in Ancient History down to 800. He will also give a course in the History of the Expansion of Europe in years when there is sufficient demand for it.

Mr. Senning is giving two courses in American History, one from 1750 to 1829, and the other from 1829 to the present. He is also giving a course in Political Science, which this year will include a study in political theory during the first semester and of municipal administration during the second semester. No course has been offered in political science since 1901, when the subject was dropped in order to provide for more adequate attention to history.

ECONOMICS.—Professor Fisher retains full charge of the classes in economics this year, but has entrusted all the work in sociology to Mr. Gowin, who has been appointed instructor in the department. The former courses in Sociology and Social Science have been somewhat modified in character and the titles changed to Principles of Sociology and Applied Sociology. Mr. Gowin is also offering two new courses this year in Anthropology and Social Psychology, each two hours for the year. In addition to the study of physical characteristics and cultural conditions, the course in Anthropology includes a consideration of the race problems in America. The course in Social Psychology is an attempt to interpret society in the terms of its chief psychic factors, and to study the interplay of individual mind and social mind in its various manifestations. It is expected that the courses in the Principles of

Sociology and Applied Sociology will be given every year, instead of in alternate years as heretofore. Courses in Statistics and Social Theory are planned to alternate with those in Anthropology and Social Psychology.

PHILOSOPHY.—The experiment is being tried this year of admitting juniors to Courses IX–X. These have long been senior courses, but if the experiment succeeds it will enable the department to provide a continuous course in pure philosophy, as well as in psychology, for the many students who elect Course I in their sophomore year. Course XI, the seminary, will remain restricted to seniors and graduate students.

ETHICS AND PHILOSOPHY OF RELIGION.—The course in Ethics has been made more concrete and practical than formerly. On the many problems discussed in the class-room, readings are assigned in a great number of books instead of a single text. The course in Philosophy of Religion covers the ground formerly covered by courses in Christian Evidences and Theism, with especial attention to the recent scholarly investigations of religion and the practical religious problems of the present day. Two courses, each three hours per semester, are devoted to an historical and interpretative study of the Old and New Testaments respectively. The seminary on Great Ethical Teachers is an addition to the work of the department.

PHYSICS.—Recent purchases include a nine-inch screw-cutting lathe for the physical laboratory, a McLeod pressure gauge, two standard condensers, two measuring instruments for alternating currents, and a moving coil galvanometer.

CHEMISTRY.—In the absence of Professor Bradley, Courses IV (Liquefaction of Gases) and XIV (Theoretical Chemistry), usually given by him, have been omitted, as have also Courses IX (Industrial Chemistry) and XII and XIII (Physiological Chemistry), usually given by Professor Renshaw. Courses I (Elementary Chemistry) and XV (Seminary) are conducted by Professor Renshaw.

GEOLOGY.—Course II, which has hitherto consisted of two lectures per week during the year, has been extended this year to three lectures per week. The general plan and scope of the course remains unchanged, but the extension of the time will allow some topics to be treated more satisfactorily than before.

BIOLOGY.—Mr. R. H. Drake, '12, has been appointed as an additional assistant in the department to render possible the longer laboratory hours necessitated by the large number of students electing the laboratory courses.

UNIVERSITY NOTES

PUBLICATIONS.—In June, 1912, was published an address book of alumni and former students of Wesleyan University. It was compiled by Professor Nicolson, and its 112 pages contain the addresses of alumni, non-graduates, honorary alumni, and masters not Wesleyan graduates, arranged alphabetically under each division, as well as a geographical list.

IMPROVEMENTS AND REPAIRS.—Owing to the crowded condition of the library it has been found necessary to use the basement for the storing of books. Two-thirds of the basement has been partitioned off, ceiled, and fitted with electric lights and with shelves to contain about twelve thousand volumes. All supplies for the library can now be delivered at the rear of the building and be brought in through the basement. Here, too, books are prepared for the shelves, for part of the added space is used for receiving new books and for cataloguing and assorting books and pamphlets.

The gymnasium has been equipped with a new gutter and a new cement floor under the showers. Fifty new steel lockers have replaced a somewhat smaller number of the old wooden type. An inner store-room adjoining the office of the director has been enlarged and equipped with a sink, hot and cold water, a small sterilizer, and additional lights. This room is to be used as a consulting and examining room, making it possible to use the main office as a waiting room.

A cottage, to be occupied by Doctor Fauver, has been built, just east of Foss House, on Mount Vernon Street.

The old Eclectic house has been reshlngled and repainted. The sum of three hundred dollars was granted for the conservation of the trees and was expended chiefly for spraying and for the filling of cavities.

COLLABORATION WITH THE CARNEGIE INSTITUTION.—The collaboration of Professors Dodge and Cady in the research work of the Nutrition Laboratory of the Carnegie Institution is a convincing and welcome expression of the warm appreciation of its Director, Doctor Francis Gano Benedict, for the faculty of Wesleyan University and their scientific attainments. In view of the fact that the calorimeter originated at Wesleyan under our lamented Professor Atwater, and of the loss that this University sustained in its removal to Boston, it is especially gratifying that this intimate scientific relationship is being maintained.

AN APPRECIATION OF PROFESSOR ATWATER'S RESEARCHES.—A striking illustration of the extraordinarily high regard with which Professor

Atwater's researches are held in foreign countries has recently come to light in the publication of a book of 1,107 pages by Professor Jules Lefèvre, entitled *Chaleur Animale et Bioenergetique*, published in Paris, 1911. The third section of this book is entitled "Application de la Calorimetrie à l'Analyse du Métabolisme et des Bilans Énergetiques, —Les Travaux d'Atwater et de l'École Américaine sur l'Homme," and gives a complete description of the Atwater-Rosa apparatus at Wesleyan University. All through the book the views of Professor Atwater are continually brought forward and discussed in great detail with most appreciative comments. In the author index more references are made to Professor Atwater than to any other man save the writer, Professor Lefèvre. It is extremely gratifying to find that this work, which represents by far the most ambitious compilation on animal heat, gives so much space to a presentation of the researches of Professor Atwater.

GEOLOGICAL EXCURSION.—The twelfth annual intercollegiate geological excursion was held, under the direction of Professor Rice, on Friday and Saturday, October 18 and 19. Such an intercollegiate excursion is held every autumn, under the direction of some one of the professors of geology of the New England colleges. This year the programme commenced with a meeting in Scott Laboratory on Friday evening, at which a lecture was given by Professor Joseph Barrell of Yale on "Central Connecticut in Geologic Time." After the lecture, Professor Rice spoke briefly in regard to the localities to be visited on the following day. Most of the party spent the night at the Winthrop Hotel in Meriden. On Saturday the party proceeded by special car from Meriden to Westfield. The return to Meriden was made partly by the special car and partly on foot. The route led along the line of the great fault between Higby and Lamentation Mountains, and the special object of the excursion was the study of the phenomena connected with that fault. The party included instructors, or advanced students, or both, from Amherst, Connecticut Agricultural College, Harvard, Massachusetts Agricultural College, Massachusetts Institute of Technology, Mount Holyoke, Smith, Trinity, Tufts, University of Vermont, Wesleyan, Williams, Yale, Hartford High School, and Thompsonville High School.

PHYSICAL EXAMINATIONS.—Over eighty men have been examined for football and track. Of this number only five have been refused permission to engage in athletics because of their physical condition. Most of the freshmen have been examined and thus far the present freshman class is far above the average of last year not only in height and weight but in general physical efficiency as shown by careful medical examination.

INTRA-MURAL SPORTS.—As a result of the inter-class and inter-fraternity games, 202 men, exclusive of 'varsity men, took part in athletics last year. Sixty men engaged in football, 125 in basketball, and about the same number in baseball. In track and tennis not the same interest was shown. This year an even greater number of men should find opportunity to take part in these activities.

DEBATE.—Trials for the annual triangular league contest with Amherst and Williams have been held, and the following men have been chosen for the affirmative: Rice, '13, Raymond, '14, with Sickels, '14, as alternate; for the negative: Cornish, '14, Willoughby, '15, with Hancock, '13, as alternate. The question is the recall of the state judiciary. The affirmative team will debate at home and the negative team will go to Williamstown. Wesleyan has already secured one leg on the triangular league cup, and it is hoped that the team this year may go one step farther towards securing the three successive victories which would bring the cup permanently to Wesleyan. The debates will be held on December 13.

No definite plans have yet been made for the spring debate. For the past three years debates have been held with both Bowdoin and New York University, but whether this agreement will be continued has not yet been definitely decided. The following officers of the Debating Council were elected at the annual June meeting: Rice, '13, president; S. W. Murphy, '13, manager, and Abraham, '14, assistant manager.

The debate between the sophomores and freshmen will be held on December 3, on the question stated above. For the sophomores, A. I. Prince, Richmond, and Warren, with Alleman as alternate, will uphold the affirmative of the question against Cass, Horton, and Stevenson, with Freeman as alternate, for the freshmen.

LABORATORY OF THE STATE BOARD OF HEALTH.—The seventh year of this laboratory, which is under the directorship of Professor Conn, closed October 1. During the last year it has made examination and analysis of 11,000 specimens, mostly for the diagnosis of contagious diseases. There have been over 4,000 samples of milk analysed, and about 500 samples of water and sewage. About 400 specimens of the blood of animals suspected of glanders have been forwarded to the laboratory for diagnosis in the last year.

COLLEGE MACHINIST.—The University is fortunate in having so expert a machinist as Mr. F. H. Newton, who has been in its employ since 1895 and has constructed many important scientific instruments, besides repairing apparatus which must otherwise have been sent to

Germany at great expense and with great delay. In 1905-6 he constructed for Professor Cady two magnetic recording instruments for the department of terrestrial magnetism of the Carnegie Institution; one of which is now on Mount Wilson, California, the other at Wesleyan. From Professor Cady's drawings he also constructed a curve-drawing machine. The liquefiers designed by Professor Bradley for his experiments in the liquefaction of gases, and installed at Harvard and Yale, as well as at Wesleyan, were constructed by Mr. Newton, as were also the delicate instruments designed by Professor Dodge for his research work in psychology, and the more recently designed apparatus for the investigations in which Professor Dodge is coöperating with Doctor Benedict, Director of the Nutrition Laboratory of the Carnegie Institution.

PHI BETA KAPPA.—At a meeting of the society held on November 26 the following members of 1913 were elected to membership: Paul Burt of Buffalo, New York; Eugene Shepard Clark of New London; John Adams Eldridge of Washington, District of Columbia; Winfred King Petigrue of Oswego, New York; Lloyd Preston Rice of Granby; Veo Fuller Small of Farmington, Maine; Robert Foster Volentine of Brooklyn, New York; William Colcord Woods of Orono, Maine.

FACULTY NOTES

ANNIVERSARIES AND INAUGURATIONS.—President Shanklin represented the University on October 9 at the seventy-fifth anniversary of the founding of Mount Holyoke College and delivered an address as the representative of the colleges and universities of New England. Professor Rice represented the University at the inauguration of Ezra Squier Tipple, as president of Drew Theological Seminary on October 24. Professor Heidel represented the University at the dedication of the Harper Memorial Library at the University of Chicago on June 10 and 11, and at the seventy-fifth anniversary of the founding of the University of Michigan on June 26.

PROFESSOR WINCHESTER.—Professor Winchester has been elected president of the board of trustees of the new Wilbraham Academy, which has been reorganized as a boys' school and was opened on September 17.

PROFESSOR CONN.—In October Professor Conn attended a meeting of the National Commission of Milk Standards, of which he is a member. This commission, appointed to determine standards of milk and of dairy methods, has held several meetings in the last two years, and has published a report of its conclusions as a Bulletin of the Marine Hospital Service. The last meeting, held in Chicago, was for the purpose of allowing the milk dealers of this country and Canada to present to the commission their side of the milk problems which have been before the commission.

PROFESSOR HARRINGTON.—Professor Harrington is spending his sabbatical year in Europe. He left early in July with his family and will return late in the summer of 1913. He has already visited England, Switzerland, and Austria, and spent the month of November in Berlin. After visiting several places of archaeological interest and several centers of learning, he will spend the winter in study and investigation chiefly at Rome and in its vicinity.

PROFESSOR HEIDEL.—Professor Heidel was a delegate from Connecticut to the convention of the Progressive party, held in Chicago, August 5-7, and was a member of the committee on rules.

PROFESSOR DODGE.—At the beginning of the year the Nutrition Laboratory of the Carnegie Institution appointed Professor Dodge its consulting experimental psychologist. This appointment opens unusual opportunities for scientific work. The nutrition laboratory wished to use the tests of neuro-muscular efficiency that have been elaborated at the Wesleyan laboratory of psychology; and Professor Dodge expects that his investigations in psycho-dynamics will be materially advanced by the collaboration. Under his direction a special equipment of approved apparatus is being installed at the nutrition laboratory, including a complete set of the apparatus that has been developed at the Wesleyan psychological laboratory.

PROFESSOR FIFE.—In April, 1912, Professor Fife was appointed one of seven trustees of the Montclair Academy, which has been chartered as a public and permanent educational foundation under the laws of New Jersey. In July, 1912, he was appointed by Governor Baldwin to fill a vacancy on the board of trustees of the Connecticut State Hospital for the Insane at Middletown.

MR. WETZEL.—During the last ten days of August Mr. Wetzel conducted the Lithia Springs Chautauqua, at Lithia Springs, Illinois, and

delivered the annual Recognition Day address. He also gave a number of public readings in the west in the course of the summer.

MEETINGS ATTENDED.—A report of important meetings attended by members of the faculty will appear in the May *Bulletin*.

CHRISTIAN ASSOCIATION

The work of the Christian Association began very auspiciously with the opening reception to the freshman class, at which about three hundred men were present. For four days, October 7-10, Mr. E. C. Mercer was the guest of the Association and of the University. He delivered three public addresses on "Notable Athletes," "Purity," and "The Story of My Life." In these, as in his talks to the various fraternity groups and the Commons Club, he did a great positive work in strengthening the character of the college life as a whole and exercised a deep influence on individuals. The unanimous and hearty welcome accorded him, together with the large attendance at his meetings, prove the grip he secured on the students.

The social service work planned by the Association under the direction of Mr. Fred H. Rindge, of New York, industrial secretary of the International Committee of the Young Men's Christian Association, is already under way. Easton, '13, and his committee have started classes for the teaching of English to foreign speaking men and classes in civics and history for the more advanced. Four or five classes are already in operation. At present more teachers are available than there are classes for them to teach, but the city Young Men's Christian Association has promised to forward this work and open further opportunities for service. Several men are engaged in boys' club activities and in neighborhood work.

The tenth annual Connecticut Valley Student Missionary Conference was entertained by Amherst College on October 26 and 27. Twelve representatives of Wesleyan were in attendance. There have been three additions to the Student Volunteer Band.

UNDERGRADUATE NOTES

PRESIDENT OF THE COLLEGE BODY. The president of the College Body for the present year is Raymond Silas Gibbs, '13, of Belvidere, New Jersey.

NO-DEAL AGREEMENT. The agreement entered into last year by the students, pledging them not to participate in any "deal" for the election of any candidate to any office in their gift, has been renewed for another year.

MAINE CLUB. There has recently been established a club of a type which may be destined to supplant the moribund preparatory school clubs in the work of attracting students to Wesleyan. About thirty students from Maine have organized a Maine Club to bring Wesleyan more prominently before the preparatory schools of that state. There is an important work for such clubs to perform and it is to be hoped that this organization may prove a success and may lead to the formation of similar clubs representing other states. The officers of the Maine Club are: *President*, Small, '13; *Vice-President*, Goodwin, '14; *Secretary-Treasurer*, Thurrell, '14.

BETA THETA PI FRATERNITY HOUSE. The Wesleyan chapter of Beta Theta Pi has received a gift of twenty thousand dollars from William Raimond Baird, of New York City, well known as the author of *American College Fraternities*. The gift is to be used for a chapter house in memory of his son, Raimond Diny Baird, '09, who died in 1911. For years the chapter has owned a lot on the north corner of High and Church streets and early next spring the building will be started. It will be a fireproof structure, three stories in height, and it is hoped it will be ready for occupancy by the autumn of 1913. Ground was formally broken on November 1.

NON-PARTISAN RALLIES. The College Body has held a series of three non-partisan meetings at which the principles of each of the three leading political parties of the present campaign were set forth by exponents of those parties. The object of these meetings has not been primarily to further the cause of the parties represented, but for the information of the students. The first of these meetings was held on October 21 and was addressed by Professors Heidel and Hewitt and by Bernard S. Van Renssalaer, secretary of the Progressive organization of the State of Connecticut. On October 24 was held the Democratic meeting which was addressed by Professor Fife, Charles Collard Adams, '59, and Congressman Henry De Lamar Clayton, chairman of the judiciary committee of the House of Representatives. The Republican meeting was held on October 29 and the speakers were Professor Rice, Honorable Frank Bentley Weeks, LL. D., and Honorable William B.

King of Virginia. Political clubs of the adherents of these three parties were formed among the students.

RECENT COLLEGE APPOINTMENTS

Class

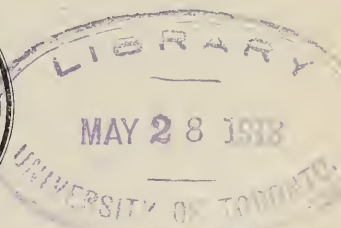
- 1898 Philip Bovier Hawk. Professor of Chemistry, Jefferson Medical College.
- 1899 Robert Ellsworth Harned. Librarian, Drew Theological Seminary.
- 1900 Walter Fenno Dearborn. Assistant Professor of Education, Harvard University.
- 1900 James Melvin Lee. Director of the Department of Journalism, New York University.
- 1902 Fred Marlin Meader. Associate Professor of Preventive Medicine, Syracuse University.
- 1903 Leverett Dale Bristol. Assistant Professor of Bacteriology, Syracuse University.
- 1904 Harry Leslie Agard. Instructor in Mathematics, Williams College.
- 1904 John Bentley, Jr. Assistant Professor of Forestry, Cornell University.
- 1905 Frank Chester Becker. Lecturer in Philosophy, Columbia University.
- 1908 Herbert Parsons Patterson. University Fellow, Yale University.
- 1909 Frank Hatch Streightoff. Instructor in Economics, De Pauw University.
- 1909 Stanley Davis Wilson. Assistant in Chemistry, University of Chicago.
- 1909 Harvey Alden Wooster. Instructor in Political Science, Yale University.
- 1911 Robert Warren Conover. Instructor in English, Pennsylvania State College.
- 1912 Raymond Haskins Drake. Assistant in Biology, Wesleyan University.
- 1912 John Levi Rice. Instructor in Preventive Medicine, Syracuse University.

NON-GRADUATE

- 1906 Elwood Idell Terry. Professor of Forestry, Colorado College.

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MIDDLETOWN, CONNECTICUT



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MIDDLETOWN, CONNECTICUT
PELTON & KING



1913

CALENDAR

May 31	Saturday	9:00 A. M.	Final examinations will begin.
June 14	Saturday	5:00 P. M.	Preliminary meeting, Phi Beta Kappa.
June 14	Saturday	8:15 P. M.	Concert by the Musical Clubs.
June 15	Sunday	10:30 A. M.	Baccalaureate Sermon, by President William Arnold Shanklin, I.L. D.
June 15	Sunday	7:30 P. M.	University Sermon, by Reverend Charles Reynolds Brown, D. D.
June 16	Monday	9:00 A. M.	Examinations of College Entrance Examination Board will begin.
June 16	Monday	9:00 A. M.	Annual Meeting, Phi Beta Kappa.
June 16	Monday	11:00 A. M.	Final chapel exercises. Award of prizes and of preliminary honors.
June 16	Monday	2:00 P. M.	Class Day Exercises.
June 16	Monday	4:00-6:00 P. M.	President's Reception.
June 16	Monday	6:00-9:00 P. M.	Class Reunions.
June 16	Monday	8:00 P. M.	Meeting, Board of Trustees.
June 16	Monday	9:00-11:00 P. M.	Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
June 17	Tuesday	9:00 A. M.	Meeting, Board of Trustees.
June 17	Tuesday	9:30 A. M.	Meeting of the Alumnæ.
June 17	Tuesday	10:30 A. M.	Meeting, Alumni Association.
June 17	Tuesday	12:00 M.	Meeting, Alumni Athletic Association.
June 17	Tuesday	12:30 P. M.	University Luncheon.
June 17	Tuesday	3:30 P. M.	Baseball, Alumni vs. 'Varsity.
June 17	Tuesday	5:00-7:00 P. M.	Fraternity Receptions.
June 18	Wednesday	10:00 A. M.	COMMENCEMENT, Contest for the Rich Prize. Conferring of Degrees.
Sept. 17	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Sept. 18	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President

SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices

LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

THE SECOND MILLION

When the committee of the board of trustees, which conducted so successfully the campaign for the first million, first met to consider its problem, it realized that a million for new endowment would need to be followed by a second million for material equipment. The first campaign has closed, the second has begun. *In the immediate future, certain buildings must be erected, equipped, and specially endowed.*

Those alumni and friends of Wesleyan who are not already contributing to the first million are asked to consider the needs for the second million, much of which must go into buildings and equipment. Wesleyan needs new friends and generous. Every Wesleyan man can help President Shanklin and the trustees to win such friends.

THE LIBRARY

The most notable growth within the University in recent years has been that of the library, but, strangely enough, nowhere has the development been so inadequate. The library is the very heart of the

University, and every department relies upon it for life. For many departments it is the only laboratory. The needs are most pressing, and their immediate relief is vital to the welfare of the University as a whole and of every department. The nature and extent of these needs may be recapitulated:

I. BUILDING.—There must be a new building with an ample, well-lighted reading room, a periodical room, an exhibition room, a lecture room, several seminary rooms, offices, cataloguing and work rooms, a bindery, stacks with shelving for 200,000 volumes, and commodious vaults for rare books. The building should be so designed that both the reading room and the stacks could be extended easily and inexpensively, without violence to the architectural beauty of the structure.

Rich Hall, the present building, was completed forty-five years ago to accommodate 80,000 volumes, and with little consideration of the many purposes which a library must fulfil to-day. It has been outgrown for several years, and it can be used only at serious loss to both students and staff in efficiency and economy.

Rich Hall is not fireproof. One hundred thousand dollars would not replace the collections. The continuance of such a fire risk is indefensible.

II. BOOKS.—Recent statistics show Wesleyan thirty-fifth among five hundred colleges listed in regard to number of volumes in the library. *Wesleyan should at once take and hold rank among the first twenty.* The number of volumes has increased from 17,000 when Rich Hall was completed in 1868, to 39,000 in 1891 when Mr. James became librarian, and to 93,000 at present report. *The number should be increased to 200,000 within five years.* Wesleyan does not need a vast general collection, but it does need extensive and highly specialized collections in every field in which the institution offers instruction, and a fair collection of works of general interest. *Wesleyan should give to her faculty and students facilities equal to the best in the fields in which they work.* The immediate need is for the completion of the files of the most important periodicals, and the completion or acquisition of the great serial publications. The price of such books has doubled within

ten years and will probably double again within ten years. In fact, ten years hence it will be absolutely impossible to get sets of many of the works, for they will all be held by public and college libraries. *Wesleyan must buy the great series now or go without them.* In several departments the present collections need prompt and liberal extension in order to keep pace with the demands of instruction. For works of general interest, there are daily demands which cannot now be supplied.

III. ENDOWMENT.—Endowment is needed to provide for the repair and maintenance of the building, for an adequate staff, and for the purchase of books. The first two of these needs are obvious. In regard to the third, the needs are for purchasing the current periodicals and continuations of series, for the purchase of new publications, and for gradually buying older books as demands arise and opportunities offer. The endowment has grown from \$18,792 in 1891 to \$100,269.79 at present report, and yielded last year an income of \$4,833.96. This income is available solely for book purchases, but *the endowment funds for book purchases should be so increased as to yield an income of \$10,000 a year.*

IV. STAFF.—The test of the value of the library is the use of it. No record is kept of the largest use of the library, that by the readers in the building and in seminary rooms. Figures are available for the outside circulation, which amounted to 4,926 volumes in 1906-07, and to 10,248 volumes in 1912-13, an increase of 108 per cent. During the same period the number of students increased 25 per cent, from 328 to 410, and the number of volumes in the library 23 per cent, from 75,500 to 93,000. Obviously these factors only partially explain the notable growth in circulation.

The instructors are demanding a steadily increasing use of the library by their students. The efficient use of a library is an art which most students have not yet acquired, and so they must rely largely upon the staff of the library for guidance. The permanent staff of the library has been increased from two in 1906-07 to four in the present year, so that it has been possible to give more assistance to students in reference work. A college library demands college graduates for its service, and

such high grade assistants are not numerous, and command good salaries. It is not sufficiently realized how valuably and successfully such assistants in reference work can supplement the class-room instruction by the individual attention which they give to each student. They are instructors in the most difficult and complex laboratory work, the work with books. *The fullest usefulness of the library as an aid to instruction depends upon an adequate, trained, and experienced staff.*

CHEMISTRY LABORATORY.—*Another building need of urgent importance is a chemistry laboratory.* Perhaps no one department has contributed more to the renown of Wesleyan than has its department of chemistry, and yet for years no department has been working under such serious disadvantages with regard to room and equipment. The department of biology is working under a handicap only less serious. The erection of a new library building and of a special building for the department of chemistry, will open the opportunity for the remodeling of the interiors of Judd Hall and Rich Hall, one of which can be adapted to the uses of the department of biology, and the other can be reconstructed as a fireproof building for the valuable museum collections which are now exposed to a serious fire risk.

NEW DORMITORY.—Already every room in North College is rented for next year, and many of the other available rooms in college buildings are also taken. It is most unfortunate that a new dormitory cannot be ready for occupancy in the autumn. Necessary steps are being taken to secure satisfactory temporary quarters which may be used by students during the coming year. Care will be taken to give the best possible accommodations to every student who comes next year. *From \$100,000 to \$150,000 is required at once to assure the beginning of work on the much needed new dormitory at the earliest possible moment.*

THE CAMPUS.—The main Campus, the quadrangle between High and Mount Vernon, Cross and Wyllys Streets, should have a suitable fence

with appropriate gateways, similar to those at Harvard and Brown. Different classes, as at Brown, might erect sections as class memorials. New campus walks are greatly needed to replace the outworn ones, many of which are not properly located to meet the present traffic demands. Citizens of Middletown feel that inasmuch as the University pays no local taxes, it should make the campus a real ornament to the city. Year by year better care is being taken, but shrubs should be planted and flower beds laid out. A more beautiful campus would be a valuable asset to the University.

TUITION SCHOLARSHIPS.—Wesleyan University has been very generous through the years in granting tuition scholarships to students who have needed financial assistance. Last year the amount of such relief granted was \$11,575, and the average for a considerable term of years has been close to that figure. This amount last year represented the income from \$236,950 of endowment funds, in addition to \$3,743 income from \$135,905 of scholarship endowment funds, of which one-half had been given within the year. Should the endowment of scholarship funds be increased to meet the apparent needs, or should the amount of relief granted be scaled down to the income of the funds specifically given for the purpose?

Involved in this matter is the question of honor on the part of students and of their parents or guardians in seeking assistance from the income of trust funds. There has been some failure to realize that an exemption from the payment of ninety dollars for tuition involved more than the cancelling of an obligation; it diverted from the use of the University for other purposes, or from the aid of some more needy student, the income from \$1,800 of the endowment funds. The trustees and the President in the disbursing of this tuition aid wish to make this fact fully realized, for they believe that often through thoughtlessness tuition scholarships have been sought by students and their parents whose sense of honor would not permit them for a moment to accept such aid if they realized the facts. During recent weeks this matter has been tactfully laid before leading undergraduates and by

them before their respective society groups, and the indications are most gratifying that a higher sense of honor will hereafter obtain.

Many of Wesleyan's students most thoroughly and genuinely need not only as much assistance as they have been receiving but even more. To the truly deserving the University wishes to give heartily and generously, and in such a way that the recipients may feel no embarrassment in seeking and receiving aid which they merit. Occasionally, in the past, students of a sensitive nature have asked that they be allowed to give a note for the amount of aid advanced. Henceforth each student asking aid will be offered the alternative of receiving the aid as a loan or as a gift. In case of a loan, it will probably be covered by a non-interest-bearing note due a certain number of years after graduation.

It is also the feeling of the administration that not only should the assistance be given to those whose need is greatest, but that preference should be given to those students who maintain the better records in scholarship, as being those most worthy of aid from trust funds.

EXPERIMENTAL PSYCHOLOGISTS.—The tenth annual meeting of the Experimental Psychologists was held in the Psychological Laboratory of Wesleyan University in April. The almost insurmountable difficulties of entertainment in Middletown make it a rare privilege for Wesleyan to entertain one of the learned societies. Professor Dodge is to be highly congratulated for his courage in undertaking to meet the difficulties involved and for the splendid success of the gathering. The presence of such a group of scholars in the University for a few days is a stimulus. It is also a distinct benefit to the University that members of other college faculties should come to know the University with its faculty and students at home, and to learn in the laboratories themselves the extent and value of the research work which is being done here.

ALUMNI.—Commencement at Wesleyan still comes but once a year. The alumnus may come back to his alma mater oftener, but he must come for Commencement, for that is the time when every other

alumnus comes and is looking to see him. Commencement week is old home week every year. If you like the way the place is being run, come back and encourage those who are doing the hard work. If you disapprove or are doubtful about the way affairs are handled, come back and get first-hand information. When you were an undergraduate you knew how much confidence to place in newspaper reports and outside gossip about the University, because you had first-hand information. Perhaps first-hand information may still be desirable about the old home—at any rate, you have a life interest in it, for it is *your* old home.

The alumni council promises to make the annual meeting of the alumni association interesting enough to make it worth attending. This alumni council is something new, and is so full of ideas that it is really looking for any additional ideas you may have. It is already doing something, and before long, it expects to be doing a great deal for the solid upbuilding of the University. Ideas, information must come first. So the question arises how to diffuse information among the alumni about the University and its activities. Every alumnus receives the Catalogue and the *Bulletin*, and a few are said to read a little in them. Do they pay for the cost of printing and distribution? The alumni council suggests that hereafter the Catalogue shall be sent only to those alumni who ask to have their names placed on the mailing list. Five hundred alumni take the *Argus*. Is it a satisfactory source of information and a proper organ for alumni matters? Can it be improved or can any adjustments be made to make it satisfactory and could it be arranged to have the *Argus* reach each of the two thousand living graduates? Or, is there need for some special alumni publication?

JUDGE REYNOLDS.—The sudden death on January 23 of the Honorable George Greenwood Reynolds, LL.D., '41, removed not only the oldest surviving graduate of the University but also a valuable friend and helper who had served forty years as a member of the board of trustees, of which he had been president from 1887 to 1903. Though he had already given frequently and generously to the endowment and support of the University, he was one of the two most liberal subscribers to the

million dollar endowment fund which was completed last year. Judge Reynolds was the last surviving graduate who was a student in the University under the administration of its first president, Willbur Fisk. His wisdom and experience will be missed from the councils of the University, and his venerable and genial presence from the gatherings of the alumni in New York and from the more important functions of the academic year in Middletown.

OLDEST ALUMNUS.—The Reverend Micah Jones Talbot, D. D., '43, is now the oldest surviving alumnus of the University. Though academically two years the junior of the late Judge Reynolds, he is but a few days younger, having been born on February 25, 1821, at East Machias, Maine. His life has been spent almost entirely in pastoral and educational work within the territory of the New England Southern Conference of the Methodist Episcopal Church. He has served a brief term as a trustee of the University, from 1880 to 1881. He makes his home with his son, Emory, of the class of 1874, in Dorchester, Massachusetts, and he was one of the speakers at the annual banquet of the alumni in Boston in February.

STUDENT FINANCES.—The students are at present showing a commendable spirit with regard to the conduct of the financial side of their organizations. There is a feeling that undergraduate organizations which appeal to the whole college body or to a whole class for support should be above the suspicion of being conducted for the pecuniary advantage of any individual, and that all funds of such organizations should be carefully accounted for, duly audited, and all proceeds administered for the welfare of the undergraduate body as a whole. It is sincerely to be hoped that plans which are now under consideration will be successfully worked out. College students should maintain a higher ethical standard than obtains in the world at large. It should be the invariable rule that every student organization and every individual student close each college year free from any financial obligation to the business men of Middletown. Parents and alumni can wield a helpful influence to this end.

STUDENT SOCIAL LIFE.—Every member of the faculty welcomes a reasonable attention by the students to social life and its amenities. Some students do not profit enough from such distraction. On the other hand, the multiplication of social functions, and their increasing expense during recent years, is becoming a serious problem in undergraduate life. Undue attention, not to athletics, but to society is responsible for the most serious dissipation of student energies to-day and for the majority of the failures in college work. The parents and the alumni, rather than the faculty, must deal with this problem.

RESPONSIBILITY OF THE ALUMNI.—Each alumnus, when he comes back at Commencement, should inquire diligently into the affairs of the fraternity, society, club, or other undergraduate organization with which he was associated in his student days. If their record during the recent past has been such that you are proud of it, give praise and commendation where it is due. If such is not the record, get together with some of the other alumni of your organization, take the present undergraduates into council, advise them wisely, form a committee to guide and assist them in the coming year, so that a year hence the record shall be one to which you can point with pride. Then keep up the good work. You will find a hearty response among the present undergraduates to an appeal to maintain the highest standards, but they need your help, and will appreciate it, if you give it in the right spirit.

TRUSTEE MEETING

An adjourned meeting of the board of trustees was held at the Manhattan Hotel, New York City, on Monday, April 14, 1913, at 3:40 P. M.

J. W. Hewitt, L. A. Howland, and Edgar Fauver, were advanced to professorships in their respective departments. The following associate professors were reappointed for 1913-14: B. H. Camp, D. D. Whitney, Durant Drake, R. R. Renshaw. Walter R. Miles was appointed associate professor of psychology and Carey H. Conley, associate professor of rhetoric for 1913-14. Paul Curts, L. B. Gillet, and Albert Mann, Jr., were appointed associate professors in the departments

of German, English literature, and romance languages, respectively. The following instructors were reappointed for 1913-14: J. K. Lamond, H. Lee Ward, J. P. Senning, E. B. Gowin, and J. W. Wetzel. Miss Edith L. Eastman was reappointed assistant librarian.

The committee on board of instruction was given power to fill the vacancy in the department of economics and to appoint an assistant to Doctor Fauver. The committee on grounds and buildings was given power to let contracts and to proceed with the erection of the swimming pool addition to the gymnasium as soon as subscriptions are secured sufficient to cover the amount of the contracts. The Alumni Athletic Association were permitted without cost to the University to build eight tennis courts, more or less, on the southeast corner of the Foss House property.

In accordance with the report of the committee on honorary degrees, it was voted to confer certain honorary degrees to be announced later.

Notice was given of the proposal to amend the by-laws so as to enlarge by-law 6 concerning the library committee; to enlarge the powers of the committee on the board of instruction; to provide for the committee on grounds and buildings in the standing committees; to make the president of the board of trustees a member of the committee on board of instruction; and to give the committees the power to fill vacancies arising during the year.

It was announced that G. H. Bickford, '91, had been elected trustee to represent the Vermont Conference, and C. A. Hadley, '99, to represent the Northern New York Conference.

Professor Raymond Dodge was granted leave of absence for next year.

STATISTICS CONCERNING THE ALUMNI

PART III

This is the third and last of a series of articles contributed by Professor Nicolson, editor of the *Alumni Record*.

6. RELATIVES

Of the graduates of Wesleyan one hundred and thirteen are sons or daughters of a graduate; twenty-five others who are sons or daughters of a graduate have a brother or a sister also a graduate. Seven others, sons or daughters of a graduate, have a brother or a sister who is a non-graduate. There are five cases of three brothers or sisters who are the

children of a graduate; one case of two in a family who graduated and one who did not graduate being the children of a graduate; two cases of four children of a graduate, three of whom graduated and one did not; and one case of four children of a graduate, all themselves graduates of the University. There is one graduate, the son of a graduate, who had five brothers, non-graduates. Five of the graduates are grandsons of a graduate, and two are granddaughters of a graduate. Two are grandsons of a non-graduate, and one the granddaughter of a non-graduate. Eight of the graduates are sons and grandsons of graduates. One is a brother of a non-graduate in addition to being both the son and grandson of a graduate, and there are three brothers who are sons of a graduate and grandsons of a graduate. One hundred and twenty-nine of the graduates have either a brother or a sister who is a non-graduate. One hundred and eighty of the graduates have either a brother or a sister who is a graduate. There are twenty-seven cases of three brothers or sisters in a family who all graduated, and four cases of four brothers or sisters who are all graduates. There are twenty-one cases of three brothers or sisters, two of whom graduated and one of whom is a non-graduate; five cases of four brothers or sisters, three graduates and one non-graduate; one case of five brothers or sisters, three of whom graduated and two are non-graduates; one case of four brothers or sisters, two graduates and two non-graduates; and one case of six brothers, all graduates but one, who is a non-graduate. Sixteen of the graduates are sons or daughters of a non-graduate, in one case there being two in the family and another case three, all graduates.

7. AGE AT DEATH

It is possible to give the average age at death for the first decade, as all the graduates of that period are dead. The average age at death was 65.37 years. The oldest reached the age of 96.25 years; the youngest died at the age of 20 years.

8. FAMILY RECORDS

[An article from which these facts are tabulated appeared in *Science*, N. S. v. 36, pp. 74-76.]

a. *Marriages*.—Of the 2,627 male graduates, 1,930 have married (73.46 per cent). Of the 222 women graduates, 96 have married (43.28 per cent). The percentage of married women compared with that of men who graduated in their own classes and have married, is 43.48 per cent as against 65.7 per cent.

	1833-'40	1841-'50	1851-'60	1861-'70	1871-'80		1881-'90		1891-'00		1901-'10	
					Men	Women	Men	Women	Men	Women	Men	Women
No. of graduates, -	142	264	276	263	311	8	340	29	461	95	570	90
No. married, -	119	217	250	239	271	5	268	14	344	51	221	26
Per cent married, -	84	82	90	90	87.1	62.5	72.8	48	74.6	53.7	28.9	28.8
No. married twice, -	21	47	50	37	41	—	14	—	10	—	3	—
No. married 3 times, -	3	4	5	6	1	—	—	—	—	—	—	—
No. married 4 times, -	1	1	1	—	—	—	—	—	—	—	—	—
No. married 5 times, -	1	—	—	—	—	—	—	—	—	—	—	—

b. Children.—

	1833-'40	1841-'50	1851-'60	1861-'70	1871-'80		1881-'90		1891-'00		1901-'10	
					Men	Women	Men	Women	Men	Women	Men	Women
No. of marriages, -	119	217	250	239	271	5	268	14	344	51	222	26
No. of children, -	535	750	818	688	686	13*	527	28*	488	70*	180	18*
No. of boys, -	275	398	396	360	374	7	289	13	250	35	94	7
No. of girls, -	260	352	422	328	312	6	238	15	238	35	86	11
Average per family, -	4.49	3.46	3.27	2.9	2.53	2.6	1.96	2	1.42	1.37	1.81	.69
Childless, -	8	32	26	32	45	—	—	—	—	—	—	—
Largest family, -	12	11	13	10	10	—	11	—	8	—	3	—
Families of eleven, -	4	1	1	—	—	—	1	—	—	—	—	—
Families of ten, -	4	3	1	1	1	—	—	—	—	—	—	—

* Owing to intermarriage of men and women graduates of Wesleyan, a number of the children of women graduates are included also in the children of men graduates, as follows: 1871-'80, eight; 1881-'90, ten; 1891-1900, forty-two; 1901-'10, ten.

The total number of children of men graduates of Wesleyan to date is 4,672, 2,436 boys and 2,236 girls, an average to the family of 2.42. The total number of children of women graduates who have married is 129, 62 boys and 67 girls, an average to each married woman of 1.34. On account of the large families in the early days, when there were no women graduates, the comparison should, however, be made between men and women of the same graduating classes. The average number of children of the married men in the same classes as the women is 1.7 as

compared with 1.34 for the women. The total number of children of Wesleyan alumni, men and women, excluding duplicates, is 4,731. Of these 1,076 have been reported dead.

ALUMNI COUNCIL

A meeting of the Alumni Council was held in the Alumni room, East Hall, at 10:45 A. M. on February 22, with sixteen members present and Carrington, '76, in the chair. Reports were presented from the secretary and from the chairmen of the executive committee and of the following other committees: finance, class records and organization, publicity, preparatory schools, alumni associations, undergraduate activities, and constitutional amendments.

The secretary recommended a special Alumni Day and was directed to endeavor to make February 22 such a day. With North, '97, and Bishop, '05, he was appointed to confer with the college authorities regarding the various problems involved.

The recommendations of Bodine, '06, and Douglass, '08, of the finance committee were referred to the whole committee for a future report. It was decided to refrain for the present from any general or aggressive financial campaign. A voluntary contribution of one hundred dollars from Hubbard, '92, was placed in the custody of the finance committee.

The committee on undergraduate activities recommended the extension to other undergraduate activities of some system of auditing similar to that now used in the case of athletics. It was unanimously voted to recommend that henceforth the annual catalogue be sent only to those alumni who, upon inquiry, express the desire to receive it.

Pending the action of the classes concerned, the following men were named to fill vacancies in the council: Maynard, '83; Hubbard, '92; Davison, '98; W. W. Miller, '12. The meeting adjourned at 1:15 P. M.

The committees of the council for the year 1912-13 are as follows:

Executive Committee.—Carrington, '76, *Chairman*; Jones, '81; Tinker, '89; Goode, '04; Leonard, '78; Sheldon, '99; Bishop, '05.

Finance Committee.—Jones, '81, *Chairman*; Wilkie, '76; Frost, '94; Shonk, '03; Bodine, '06; Douglass, '08.

Class Records and Organization Committee.—Tinker, '89, *Chairman*; Scofield, '78; Cassidy, '88; Swett, '96; Johnston, '00; Chamberlin, '09.

Publicity Committee.—Goode, '04, *Chairman*; Bower, '79; Judd, '85; Kurt, '95; Manchester, '96; Day, '04; McCormick, '07; Douglass, '08; Leonard, '78.

Preparatory Schools Committee.—Leonard, '78, *Chairman*; Plimpton, '91; Blakeslee, '93; North, '97; Jones, '01; Dearborn, '06; Chamberlin, '09.

Alumni Associations Committee.—Sheldon, '99, *Chairman*; Harris, '80; La Monte, '84; Westgate, '90; Swett, '96; Merritt, '10; Maynard, '11.

Undergraduate Activities Committee.—Bishop, '05, *Chairman*; Gallien, '82; Rich, '86; Ninde, '87; Goodrich, '99; Anderson, '02; Dearborn, '06.

Special Committee on Amendments to Constitution.—Gallien, '82, *Chairman*; Leonard, '78; Bishop, '05.

Special Committee on Moral and Religious Side of College Life.—Manchester, '96, *Chairman*; Harris, '80; Ninde, '87; Tiinker, '89; North, '97.

ALUMNI NOTES

REPORT OF THE ALUMNI SECRETARY.—The report of W. F. Sheldon, '99, Alumni Secretary, submitted to the Alumni Council February 22, 1913, is a document of no little interest. It gives an account of his varied activities, assistance rendered to President Shanklin in the closing days of the endowment campaign, following up inquiries from prospective students, and publicity work.

With his definite appointment as Alumni Secretary on November 2, 1912, he began work more specifically with and for the alumni. He was provided with an office in Room 2, East Hall, and with a stenographer. For the study of other alumni organizations, he visited Princeton and Yale. He has visited numerous preparatory schools, making it his policy to approach them through Wesleyan alumni. He has been largely instrumental in the rejuvenation of the Tilton Club and the formation of the Maine Club and hopes to organize other school and geographical groups. Such pamphlets as that containing Professor Winchester's address at the banquet of the New York Alumni, he intends to circulate not only among alumni and friends of the University but among the parents of prospective students and among teachers in preparatory schools.

He has visited a large number of alumni associations—at New York, Boston, Philadelphia, Washington, Albany, Newark, Syracuse, Wilkes-Barre, and a meeting of the New Hampshire alumni at Somersworth. He has arranged a series of Wesleyan rallies at the sessions of the several patronizing conferences. At Waterbury a new association has been organized for work in the Naugatuck Valley. An alumni banquet in

honor of the football team was arranged and brought to a very successful conclusion at the Hartford Golf Club. On January 20, 1913, a memorial service in honor of Professor Van Vleck was held at 150 Fifth Avenue, New York City. President Shanklin and Professor Rice addressed the meeting, and several others, including the late George Greenwood Reynolds, LL.D., spoke more informally.

Several circular letters have been sent from the secretary's office to members of various classes; in certain cases the *Argus* has been made the vehicle of a special communication and was sent to each member of the classes concerned. The paid advertisements of the University are now placed through his office and the last election of alumni trustees was managed there.

The Secretary has submitted to the Council three recommendations:

First, that, in view of the increasing tendency to make the sub-freshmen the prominent feature of the Washington's Birthday celebration, a distinctively alumni day be instituted to occur some time in the college year; *second*, an alumni alcove in the library, and a permanent exhibit of Wesleyan literature from the beginning of the institution; *third*, a medium of communication between the University and the alumni, more satisfactory than any at present in existence.

RECENT GIFTS

Since the publication of the last *Bulletin* the new endowment fund has been increased by gifts aggregating \$49,232.75. Additional payments of \$216.80 have been received for the alumni endowment fund.

An anonymous donor has given \$200 to be applied on the salaries in the department of chemistry. Reverend D. G. Downey, '84, has given \$25 for tuition.

LIBRARY

Since the report published in the *Bulletin* for May, 1912, the endowment of the library has been increased by the transfer from income of \$336.99. The total amount of endowment is \$100,269.79.

The number of volumes accessioned from May 1, 1912, to April 30, 1913, was 3,278. They were obtained as follows: by purchase, 1,333; by binding periodicals, 400; by gift, 1,545; deducting 27 volumes, exchanged, sold, or lost, there remains a net addition of 3,251 volumes. The total number of volumes in the library at the present time is 93,000.

Among the more important accessions of the year are the following: Görres, *Gesammelte Schriften*, 9 vols.; Gutzkow, *Gesammelte Werke*, 12 vols.; *Buletino di bibliografia e di storia delle scienze matematiche e fisiche*, 20 vols.; *Journal of Biological Chemistry*, vols. 1-11; Lamprecht, *Deutsche Geschichte und Jüngste Vergangenheit*, 21 vols.; Cauchy, *Oeuvres complètes*, 21 vols.; Thackeray, *Works*, biographical edition, 13 vols.; *New World*, vols. 1-9; H. von Kleist, *Sämmtliche Werke*, 5 vols.; Laube, *Gesammelte Werke*, 50 vols. in 20; House of Lords, *Journals*, 1509-1767, in 31 vols.; House of Commons, *Journals*, 1547-1782, in 38 vols., and index to vols. 1-34 in 5 vols.; House of Commons, *Reports*, 1715-1773, in 4 vols.; *Handwörterbuch der Naturwissenschaften*, vols. 1, 2, 6, 7 (to be continued); *Century Dictionary and Cyclopedia*, revised edition, 12 vols.; Shakespeare, *Works*, first folio edition, 40 vols.; Cambridge Natural History, 9 vols.; Vasari, *Lives of the most eminent painters, sculptors, and architects*, translated by De Vere, vols. 1-3 (to be continued); Crowe and Cavalcaselle, *History of painting in North Italy*, edited by Borenius, 3 vols.; Menéndez y Pelayo, *Antología de poetas líricos castellanos*, vols. 1-13.

From May 1, 1912, to April 30, 1913, 10,248 books and periodicals were drawn from the library for home use, an increase of nearly 14 per cent. In addition, 2,183 volumes were withdrawn from general circulation and reserved for special use either in the library or in the seminary rooms. The current numbers of 110 periodicals were sent to the seminary rooms or laboratories for the use of instructors and advanced students.

There were presented to the library from May 1, 1912, to April 30, 1913, 1,196 bound volumes, 11,546 pamphlets and numbers of periodicals, and 65 maps. Among the donors were the United States Government, the Library of Congress, the Smithsonian Institution, the State Libraries of Connecticut and New York, the Carnegie Institution, the Connecticut State Board of Education, the Pennsylvania Steel Company, the Geological Survey of Canada, the Library of the University of Michigan, the German Book Club, the Public Service Commission of New York (first and second districts), the Geological Survey of Georgia, the Maryland Geological Survey, the Illinois Geological Survey, the New York State Engineer and Surveyor, the New Hampshire Bureau of Labor, Lake Forest College, Williams College, the Atlantic Deeper Waterways Association, the Natural Ice Association of America, the Connecticut Gamma of Phi Beta Kappa, and the following individuals: C. C. Adams, '59, Professor A. C. Armstrong, T. W. Balch, J. S. de

Benneville, Hon. F. B. Brandegee, W. D. Camp, ex-'82, Professor H. W. Conn, Reverend J. C. W. Coxe, '63, Professor R. H. Fife, Jr., A. Gehring, Professor W. A. Heidel, C. E. Jackson, Hon. G. P. McLean, Professor W. N. Rice, '65, B. A. Rich, '78, R. C. Robbins, A. H. Strong, Professor E. B. Van Vleck, '84, Professor J. M. Van Vleck, '50, Professor J. W. White, Professor C. T. Winchester, '69.

The library is also indebted to various cities which have given copies of their charters, reports, and other publications for the assistance of the course in municipal government, which is being given this year for the first time. The library will welcome similar contributions from other cities.

MUSEUM

A collection of eighty-six prehistoric articles found at Atzacapotzalco, Mexico, has been presented to the museum by Arnold Shanklin, American Consul General of Mexico. This collection is made up largely of pieces of pottery, toys, idols, masks, and incense-burners. These have been fully labeled and are now on exhibition.

A beautiful hand-carved piece of wood and a collection of sixty-four arthropoda, mainly beetles, have been received from John Gowdy, '97, Foo-Chow, China; a mounted peacock and a brilliantly colored bird from Peru from Mrs. L. B. Chaffee of Middletown; a hawk from Mr. J. R. Pitt of Middletown; twenty-six ancient coins of Egypt, Greece, Rome, and Spain, from Stephen H. Olin, '66; twenty fragments of stones used in the construction and decoration of ancient Rome from the Iowa Society of the Archaeological Institute of America; specimens of pork containing larval tapeworms, several liver flukes, and Texas cattle ticks, from Mr. L. E. Day of Chicago; models of the famous fossil connecting links between reptiles and birds, *Archaeopteryx macrura* and *siemensii*, the originals of which are in the British and Berlin museums, from Mr. A. R. Crittenden of Middletown; several fossil fish and models of fossil fish, from the Carnegie Institute of Pittsburg, Pennsylvania; a collection of medals including those awarded to the late Professor Atwater by the expositions of Atlanta in 1895, Paris in 1900, and St. Louis in 1904, as a loan from Mrs. Atwater and family.

Many of the smaller exhibition cases have been repainted and rearranged and a special exhibit has been made of uncut tourmaline gem stones from Haddam Neck and Portland.

The reclassification of the herbarium by Mr. C. H. Bissell of Southington and Mr. C. A. Weatherby of East Hartford has been completed. They have also reclassified and placed in the herbarium many hundred specimens of the Joseph Barratt collection, which has been in storage since the museum came into possession of it many years ago.

SWIMMING POOL

The plans for the swimming pool are practically completed and it is hoped that work will begin on its construction early in June. The building, eighty-eight feet long, will be added to the east end of the gymnasium, and will correspond with it in exterior architecture.



The pool itself will be on a level with the floor of the present basement and will be entered from the gymnasium. It will be seventy-five feet long and twenty-five feet wide, will be lined with white tile with lanes in the bottom marked in blue, and will be equipped with a terra-cotta life rail and gutter with markings showing depth and distances. The walls and the walk around the pool will be of white cement. The pool will be ten feet deep at the east end and four feet at the west end. It will be surrounded on three sides by a gallery, entered from the main floor of the gymnasium. It will be lighted by large windows at the east end and a large light well from the skylight at the west end. Artificial lighting will be furnished by a system of reflected light.

The running track will be extended from the gymnasium through the new building and will be nine feet wide and well banked. This will give a sixty yard straightaway and a track of eleven laps to the mile.

No padding will be used on it, so that spiked shoes may be worn by those training for relay races. Inside the track will be two full-sized, officially constructed courts for squash or handball. These will be lighted from the skylight.

Provision is made for a system of refiltering and for a pool that will be sanitary in every way. The shower bath and toilet rooms in the gymnasium will be thoroughly renovated, new floors will be laid, and a wainscoting of white tile will be put in. The room now used as a dressing-room for the faculty will be remodeled as a dressing-room for visiting teams. It will be fitted with showers, toilets, etc., and will be greatly enlarged by the removal of partitions. The inner office of the director will be enlarged by the elimination of the closet now used for the storing of dishes, and will be brought into immediate connection with the pool.

A partial glass partition will pass through the hall of the gymnasium, forming a vestibule at the entrance, the doors of which will be rehung so as to swing outward.

DEPARTMENT NOTES

GERMAN.—The department has acquired by purchase in the past year a set of forty-five lantern slides illustrating Schiller's life and works and a set of Ransch's Phonetic Charts for instruction in German pronunciation. By nineteen large wall-charts the various positions of the lips, tongue, etc., in the production of the most difficult German sounds are shown.

In the absence of Doctor Paul Curts, for three years instructor in German, his place has been taken by Doctor Friedrich Schoenemann, recently of Kottbus, Prussia, whose studies in Berlin and Marburg had brought him into first-hand acquaintance with current tendencies in German literature and criticism. Doctor Schoenemann's work has been of great benefit to the department both by his intimate knowledge of present-day German culture and his successful pedagogical methods, joined to a genial personality. His departure is especially regretted by the members of the Deutsche Verein, where he has been of great help.

ROMANCE LANGUAGES.—Owing to the absence of Professor Kulms during the second semester of next year, Course V in French and Course I in Italian will be omitted. In the first half-year Courses III and VI in French and the course in Dante and English will meet twice a week and Course IV in French three times a week.

ECONOMICS AND SOCIAL SCIENCE.—Mr. Gowin has under consideration a plan for bringing the courses in sociology into closer relation with the local agencies for social work. Each year for some time past the members of the course in applied sociology have been visiting the various institutions in and around Middletown, the Connecticut Industrial School for Girls, the Connecticut Hospital for the Insane, the Connecticut School for Boys at Meriden and the State Prison at Wethersfield. This work will be continued as heretofore, but it is planned to increase materially the amount of field work available for students in this course, and ultimately to make a laboratory study of the local situation. This will afford an opportunity not only to acquire information, but also to do useful social service.

During the second semester the courses in Economics were conducted by Professors Henry Crosby Emery and William Bacon Bailey of Yale University. Each took charge of a section in Course I, while Professor Emery continued Course II in economic theory, and Professor Bailey, Course V in the labor problem. The work of Course VIII, economics seminary, was completed under the supervision of Professor Bailey.

PHILOSOPHY.—As noted in the *Bulletin*, the plan has been tried this year of admitting juniors to the earlier courses in modern philosophy. The experiment has proved so far successful that it will be continued, at least for another year. In 1913-14 the course in ancient and mediæval philosophy will be transferred to the first semester. In the second half-year it will be followed by the first course in modern philosophy. Both courses will be open, under certain restrictions, to juniors. Together they will bring the history of philosophy down to about 1840, leaving later and contemporary thought for the study of the senior year. The senior work will be conducted in part by lectures, in part by the seminary method. Further details will be given in the Announcement of Courses for 1913-14.

PSYCHOLOGY.—Professor Dodge has been granted leave of absence without pay for the academic year 1913-14 to become Experimental Psychologist to the Nutrition Laboratory of the Carnegie Institution. He will continue his research in the fields of mental work and mental fatigue with the help of the unique facilities afforded by that institution, and will have charge of the tests of nervous efficiency in a systematic investigation of the mental and physical effects of the ingestion of small doses of ethyl alcohol.

During the absence of Professor Dodge, the courses in psychology will be in charge of Doctor Walter R. Miles of the University of Iowa.

MATHEMATICS.—During the winter Doctor Lamond, assisted by the class in Mathematics IV, made an accurate survey of the campus. From this survey Doctor Lamond prepared an accurate and comprehensive map, including all real estate in Middletown held by the college and also that held by the various fraternities. Blue-prints have been made from this map for the use of the committee of the trustees on grounds and buildings. This spring a further survey is being undertaken for the purpose of locating the system of drainage and steam pipes. A map of this survey will be prepared for the use of the superintendent of grounds and buildings.

PHYSICS.—The storage battery in the basement of the Scott Laboratory has been thoroughly overhauled, and many of the old cells have been replaced by new ones. A magnetic circuit breaker has been added to the circuit for charging the battery.

BIOLOGY.—The department of biology has recently purchased a projecting lantern for use in large classes. This lantern, in addition to the ordinary projecting apparatus, has an arrangement for projecting opaque objects and pictures from books. A microscopic projecting apparatus makes it possible to dispense with the use of microscopes in large classes. The opaque projection makes it possible to exhibit the illustrations with which biological books are crowded. With this lantern it is possible to handle satisfactorily the larger sections rendered necessary by the increase in the size of the classes.

CHRISTIAN ASSOCIATION

Sixty per cent of the men in college are enrolled as members of the Christian Association. Thirty-three per cent are active members. Forty-one men are preparing for the Christian ministry and four for Christian Association work. Bible study classes with an aggregate attendance of from forty to fifty have been conducted by Professor Cady, Doctor Ward, and Mr. Senning, Mr. Logee, Chanter, '14, and S. W. Murphy, '13.

A considerable variety of outside activity has been carried on. Leaders have been furnished for thirteen boys' clubs, one of them composed entirely of Italians. Evangelistic teams have been sent out, and a quartette has visited several Middletown institutions. Neighborhood work has been conducted at Newfield, at Staddle Hill, and at the Pacousett Sunday School in Portland. In these various forms of unselfish service over sixty men have been engaged.

In the spring term there was conducted under the auspices of the Association a series of talks on the choice of a life work. These were given by men of some prominence in the fields of social work, association work, foreign missions, the ministry, and business, as follows: The Choice of a Life Work, by Reverend Charles R. Brown, Dean of the Yale Divinity School; The Field of Association Work, by Charles D. Hurrey, of the National Committee of the Young Men's Christian Association; The Field of Social Work, by Frederick S. Hall, '93, Associate Director of the Charity Organization Department of the Russell Sage Foundation; The Field in Foreign Countries, by Wilbert B. Smith, Candidate Secretary of the Student Volunteer Movement; and Business, its Ideals and Opportunities, by Joseph A. Richards, ex-'83, of New York.

The officers for the coming year are President, Chanter, '14, Vice-President, Rowell, '14, Secretary, Day, '14; Treasurer, Willoughby, '15.

Mr. Chanter, requiring only a few hours to complete his work for graduation, will have full charge of the work for next year, and no graduate secretary will be appointed.

DEBATE

The debating contests this year were only moderately successful, as both debates resulted in a tie, the home teams receiving the decision in every debate. Wesleyan defeated Amherst and Bowdoin but lost to Williams and Hamilton. In the regular triangular league contests with Amherst and Williams on December 13, the question was: Resolved, that state judges should be subject to recall by a majority vote of those voting at the last state election. In each case the home team upheld the affirmative. The Wesleyan team which defeated Amherst at Middletown was composed of Raymond, '14, Rice, '13, and Sickels, '14, as alternate. That which met Williams at Williamstown consisted of Cornish, '14, Willoughby, '15, and Hancock, '13, as alternate. The judges at Middletown were Professor G. A. Kleene of Trinity, Professor C. W. Gerstenberg of the School of Commerce of New York University, and Mr. E. W. Christ of New Britain; those at Williamstown were Professor R. C. Gettell of Trinity, Reverend J. P. Jockinson of Union Theological Seminary, and Reverend H. H. Field of Brooklyn, New York.

In the seven years of the existence of this triangular debating league, Wesleyan is the only college that has won two championships. Wesleyan is also the only college to have its name engraved on the trophy cup purchased by the league in 1909. The contests in 1910 and 1912 resulted

in triple ties, while Wesleyan won both debates in 1911. Consequently the cup has never left Wesleyan and will remain here until won by another college.

Instead of debating New York University and Bowdoin in the spring, as has been the custom for the past three years, a new triangular debating league was formed by a two-year agreement with Bowdoin and Hamilton. This league, it is hoped, may prove a permanent arrangement for the spring debates similar to that with Amherst and Williams in the fall. The initial contests in this new league resulted in a three-cornered tie, the home team winning in every case. The question debated was: Resolved, that the present high cost of living in the United States would be materially reduced by a tariff for revenue only. In these debates also the home teams upheld the affirmative. The team which debated at Middletown, consisting of Dulany, '14, Hancock, '13, Raymond, '14, with Sturges, '14, as alternate, won a unanimous decision from Bowdoin. The judges for this debate were James A. Winans, Professor of Debate at Cornell University, Everett J. Lake, former lieutenant-governor of Connecticut, and Mr. Ernest Pelton of New Britain. The negative team which lost the decision at Clinton by a vote of two to one, was composed of S. W. Murphy, '13, Rice, '13, and Willoughby, '15, with R. C. Brown, '14, as alternate. The judges were Judge George B. Turner of Auburn, New York, Messrs. Stoddard M. Stevens of Rome, New York, and Charles W. Tooke of Syracuse, New York.

The freshman-sophomore class debate was won by the sophomore team, composed of Richmond, Warren, and A. I. Prince, with Alleman as alternate. The freshman contestants were Horton, Cass, and Stevenson, with Freeman as alternate. To interest more men in the class debates and give more men this preliminary training for 'varsity debating, the number of speakers on each side was increased this year from two to three. Professor Nicolson, Mr. Senning, and Mr. Gowin acted as judges. On May 17 the third annual debate will be held with Brown freshmen. The question to be debated is: Resolved, that it should be the policy of the United States to decrease its naval armament. Reeves and Freeman, with Cass as alternate have been selected to represent the Wesleyan freshmen and they will uphold the affirmative side of the question.

The Briggs Prize debate was held on March 6, on the question used in the spring contest of the triangular league. The contestants were Hancock, '13, S. W. Murphy, '13, Rice, '13, and Raymond, '14. Mr. Gustaf B. Carlson, Mr. Richard H. Bunce, and Professor Nicolson acted as judges, and awarded the prize to Hancock, '13.

UNIVERSITY NOTES

NEW REGULATION.—In accordance with the policy of the University to advance the standard of scholarship, the faculty has adopted a regulation by which any student is put on probation and becomes ineligible to represent the University on any athletic, musical, or dramatic organization, if he has a grade below fourth in seven hours of work at the Thanksgiving or Easter preliminary reports, or if at the end of the first semester he is deficient in seven hours of work, or if at the end of the year he is deficient in seven hours for the second semester or five hours for the year. If a student already on probation has such a record at the end of the first or the second semester, he is dropped from college. If a student not already on probation is deficient at the end of the first semester in ten hours, or at the end of the second semester in ten hours for the second semester or seven hours for the year, he is dropped from college. There are definite provisions by which a student on probation may be restored to normal standing at the time of the Thanksgiving or Easter reports, of the midyear or the final examinations, or the spring or the fall special examinations.

PHYSICAL EXAMINATIONS. — The following table substantiates the statement made in the December *Bulletin* that the present freshman class was physically superior to its predecessor.

	Average Weight	Average Height	Average Lung Capacity	Per cent of Non- Smokers
	Lbs.	Feet Inches	Cubic inches	
1915, - - - -	136.6	5 7 $\frac{1}{2}$	238.9	56
1916, - - - -	141.6	5 8 $\frac{3}{4}$	253.5	58.2
Difference, - - -	5.0	1 $\frac{1}{3}$	14.6	2.2

In order to determine if any gain had been made, sixty-two freshmen were reëxamined at the close of their gymnastic work in March. The following table gives the results:

	Weight	Lung Capacity	Strength of Right Forearm
Number examined, -	62	62	62
Number gaining, -	60	60	51
Number losing, - -	2	2	11
Average gain, - - -	6.26 lbs.	14 cub. in.	8.1 lbs.
Greatest gain, - - -	16 "	54 "	33
Greatest loss, - - -	1.5 "	10 "	12

NEW ENGLAND ORATORICAL LEAGUE.—On April 3, Burt, Crane, S. W. Murphy, and Rice, '13, and Brodhead, '14, participated in the preliminary contest to select the Wesleyan representative for the annual contest of the New England Oratorical League. The faculty committee on public literary exercises, acting as judges, selected Crane, who spoke on "The Unveiling of the Dark Continent." Burt, whose subject was "The Pioneer of the Dark Continent" was chosen alternate.

The fourth intercollegiate contest was held at Middletown on May 1. The judges, Honorable Simeon Eben Baldwin of New Haven, Reverend Samuel Hart of Middletown, Professor Irvah Lester Winter of Harvard University, Honorable William M. Maltbie of Hartford, and Professor James Arthur Tufts of Phillips-Exeter Academy awarded the first prize to Henry Smith Leiper of Amherst for an oration on "The College Man and the Call of the Hour." Henry Hitt Crane of Wesleyan received honorable mention for his oration on "Livingstone and the Unveiling of the Dark Continent." The other competitors were Alfred Henry Sweet of Bowdoin, Louis Israel Newman of Brown, and Dwight Copley Pitcher of Williams.

JUNIOR EXHIBITION.—The Junior Exhibition was held on April 17. The committee of award, consisting of Reverend Samuel Hart, D. C. L., LL.D., Dean of Berkeley Divinity School; Mr. Hobart George Truesdell, Headmaster of Connecticut Literary Institute, Suffield; and Mr. Ernest Alexander Inglis, Ph. B., LL. B., of Middletown, awarded the first prize to Raymond Avery Hall, of Auburn, New York, for an oration on "The Spirit of the New Republic, and second prize to Ralph Gordon Sickels of Indianapolis, Indiana, for an oration on "The American City."

STATE GEOLOGICAL AND NATURAL HISTORY SURVEY.—Two Bulletins of the State Geological and Natural History Survey have been recently published under the editorial supervision of Professor Rice as superintendent of the survey. These are the following: No. 19, Echinoderms of Connecticut, by Wesley Roswell Coe, Ph. D., Professor of Biology, Sheffield Scientific School of Yale University. No. 21, Fifth Biennial Report of the Commissioners of the State Geological and Natural History Survey, 1911-1912. Two other Bulletins are now in press, and the former will be published very shortly. These are the following: No. 20, The Birds of Connecticut, by John Hall Sage, M. S., Secretary of the American Ornithologists' Union, and Louis Bennett Bishop, M. D., Fellow of the American Ornithologists' Union, assisted by Walter Parks Bliss, M. A., Assistant in Bacteriology, Columbia University. No. 22,

Guide to the Insects of Connecticut, prepared under the direction of Wilton Everett Britton, Ph. D., State Entomologist and Entomologist of the Connecticut Agricultural Experiment Station. Part 3, The Hymenoptera of Connecticut, by Henry Lorenz Viereck, with collaboration of several other specialists.

During the past two years most of the appropriation of the Survey has been applied to an investigation of the water resources of the state carried on in coöperation with the United States Geological Survey. This work has been under the direction of Professor Herbert Ernest Gregory of Yale University. The same policy is to be continued during the ensuing biennial term.

There are, however, a number of Bulletins completed or in progress on various geological, botanical, and zoölogical subjects which will be edited and published as rapidly as practicable.

CONFERENCE OF EXPERIMENTAL PSYCHOLOGISTS.—The Tenth Annual Conference of Experimental Psychologists was held on April 10-12, in the Psychological Laboratory of Wesleyan University. The conference was attended by thirty delegates, representing the following institutions: Clark, Columbia, Cornell, Dartmouth, Harvard, Johns Hopkins, Pennsylvania, Princeton, Smith, Tennessee, Wesleyan, Yale, McLean Hospital, New Jersey Training School, Teachers' College of New York, and the National Electric Lamp Association.

Reports were read from all these institutions on the researches actually in progress, and on those planned in the immediate future. Those laboratories which had been in charge of the same instructor ever since these conferences have been held gave resumés of the work of the decade.

The meetings on Thursday were devoted to notes on apparatus, reports, and a demonstration of the Wesleyan apparatus. On Friday the resumés of the work in the several laboratories were read and there was a discussion of the psychological problems demanding investigation in the immediate future. The Saturday morning session was devoted to the theory and value of tests.

The only public exercise of the session was the lecture by Professor Hugo Münsterberg of Harvard, which was delivered in Scott Laboratory before a large audience. The lecture was an address on the subject of mind reading, masterly not only for its contents but also for its form. After Professor Münsterberg's lecture there was an informal supper at the house of Professor Dodge, followed by a smoker in the laboratory. On Friday noon the University entertained the conference at dinner in Fisk Hall.

The members of the conference were enthusiastic in their appreciation of the hospitality of Wesleyan and of the intrinsic value of the discussions. They examined with interest the unusual equipment of Wesleyan's laboratory and its unique apparatus for demonstration and research.

PUBLIC SCHOOL SUPERINTENDENTS.—On December 7 the University entertained the Connecticut Association of Public School Superintendents at its thirteenth annual meeting. Professor Rice made an address of welcome and Professor Nicolson spoke on "The Machinery of Admission to College." The afternoon session was devoted largely to a discussion led by Superintendent Wheatley of Middletown, on "The Model Rural School."

APPOINTMENTS TO THE FACULTY

HENRY CROSBY EMERY, appointed lecturer in economics and social science, was graduated from Bowdoin with the degree of B. A. in 1892; the following year he received the degree of M. A. from Harvard, and in 1896 that of Ph. D. from Columbia. The next year he spent at the University of Berlin. From 1894 to 1900 he held the chair of political economy at Bowdoin, from which institution he was called to a professorship in political economy at Yale in 1900. In 1909 President Taft appointed him chairman of the United States Tariff Commission. He received the degree of LL.D. from Bowdoin in 1911. He has published "Speculation on the Stock and Produce Exchanges of the United States." *Columbia University Studies in Political Science*, v. 7, pp. 285-512, 1896.

WILLIAM BACON BAILEY, appointed lecturer in economics and social science, was graduated from Yale in 1894 with the degree of B. A. and received the degree of Ph. D. from the same institution in 1896. He was assistant in political economy at Yale from 1897 to 1899, instructor from 1900 to 1904, and has been assistant professor since 1905. Since 1901, he has been instructor in the Yale Divinity School. He has been editor of the *Economic Bulletin*, and is editor-in-chief of the *Quarterly Publications of the American Statistical Association*. He is active in the organized charities of New Haven and is president of the Connecticut Prison Association. He has published "Modern Social Conditions; a statistical study of birth, marriage, divorce, death, disease, suicide, immigration, etc., with especial reference to the United States." Pp. 377. New York, The Century Company, 1906.

FACULTY NOTES

PRESIDENT SHANKLIN.—President Shanklin has been elected a trustee of Pennington Seminary. In March he spent some time in Baltimore, Maryland, assisting in the campaign to raise a million dollars for Goucher College.

PROFESSOR RICE.—Professor Rice has been made a member of the board of governors of the West China University, Chentu. He served as chairman of the board of examiners of the New York East Conference at its mid-year assembly in Rockville Center, New York, and at its annual session in New Haven. He was reappointed chairman of the board. He represented the New York East Conference at a hearing before the excise committee of the legislature, on a bill for the limitation of the number of liquor licenses.

PROFESSOR RAYMOND.—Professor and Mrs. Raymond have spent the larger part of the year at Saint Petersburg, Florida.

PROFESSOR MEAD.—At the annual meeting of the American Dialect Society last December, Professor Mead resigned the secretaryship, which he had held for seven years, and was elected president of the society.

PROFESSOR HARRINGTON.—Professor Harrington and his family made Rome their headquarters until April. With several other American scholars, Professor Harrington has taken a large number of trips, to Mount Soracte, Castel Porziano, Veii, Falerii, the Sabine Mountains, Tusculum, the Lake of Nemi, Ardea, Viterbo, etc. About the last of March, he left Rome for a tour to Sicily, Tunis, and Algeria, meeting Professor Crawford and his family on their arrival at Naples on March 29.

PROFESSOR KUHN.—On March 1, Professor Kuhns was elected a member of the National Genealogical Society of Washington, D. C.

PROFESSOR CADY.—Professor Cady has been made one of the directors of the Industrial School for Girls, to fill the vacancy caused by the death of Professor Van Vleck.

PROFESSOR WHITNEY.—Professor Whitney was elected an associate member of the American Ornithologists' Union on November 12, 1912. During the summer Professor Whitney will be associated with Professor Pratt of Haverford College in giving a course in comparative anatomy

at the biological laboratory of the Brooklyn Institute of Arts and Sciences, Cold Spring Harbor, New York.

DOCTOR SCHOENEMANN.—Doctor Schoenemann has been appointed to conduct a course in German Dramatists of the Nineteenth Century in the Harvard Summer School. He has been made instructor in German in Harvard University for the year 1913-1914.

MEETINGS ATTENDED.—The following meetings have been attended by various members of the faculty:

May 10, 1912. New York Section of the American Chemical Society, New York City. PROFESSOR RENSHAW.

September 10-13, 1912. International Congress of Applied Chemistry, New York City. PROFESSOR RENSHAW, DOCTOR WARD.

October 23, 1912. Committee on Literature and Education of the Federal Council of the Churches of Christ in America, New York City. PROFESSOR RICE.

October 25, 1912. American Mathematical Society, New York City. PROFESSOR CAMP.

October 28, 1912. International Milk Dealers' Association, Chicago, Illinois. PROFESSOR CONN.

November 8, 1912. Committee of Review of the College Entrance Examination Board, New York City, and annual meeting of the Board on November 9. PROFESSOR NICOLSON.

November 12, 1912. Association of New England Colleges, Brunswick, Maine. PROFESSOR NICOLSON.

November 25, 1912. New York Academy of Sciences, Section of Anthropology and Psychology, New York City. PROFESSOR DODGE.

December 7, 1912. Connecticut Group of the New England Modern Language Association, Hartford. PROFESSOR FIFE and DOCTOR SCHOENEMANN.

December 27, 1912. American Dialect Society, Philadelphia, Pennsylvania. PROFESSOR MEAD.

December 27, 1912. Seventh Annual Convention of the National Collegiate Athletic Association, New York City. PROFESSOR NICOLSON (reëlected secretary-treasurer).

December 26-28, 1912. Modern Language Association, Philadelphia, Pennsylvania. PROFESSORS MEAD and FIFE.

December 28-30, 1912. Geological Society of America, New Haven. PROFESSOR RICE.

December 27-31, 1912. Joint meeting of the American Economic Association, the American Political Science Association, the American Historical Association, and the American Sociological Society, Boston, Massachusetts. PROFESSORS FISHER and DUTCHER and MESSRS. GOWIN AND SENNING.

December 30, 1912-January 4, 1913. American Association for the Advancement of Science, American Society of Zoölogists, and American Society of Naturalists, Cleveland, Ohio. PROFESSOR WHITNEY.

February 12, 1913. American Academy of Arts and Sciences, Boston, Massachusetts. PROFESSOR HEIDEL.

February 15, 1913. Connecticut Section of the Classical Association of New England, New Haven. PROFESSORS HEIDEL and HEWITT.

February 15, 1913. Connecticut Association of Classical and High School Teachers, New Haven. PROFESSORS NICOLSON and DUTCHER.

February 19, 1913. National Conference on Standards of Colleges and Preparatory Schools, New York City. PROFESSOR NICOLSON (as president of the New England College Entrance Certificate Board).

February 22, 1913. American Mathematical Society, New York City. PROFESSOR CAMP.

February 22-23, 1913. National Conference on Uniform Entrance Requirements in English, New York City. PROFESSOR WINCHESTER.

March 4, 1913. State Council of Connecticut Federation of Churches, Hartford. PROFESSOR RICE.

March 15, 1913. Connecticut Group of the New England Modern Language Association, New Haven. PROFESSOR KUHNS, DOCTOR SCHOENEMANN, and MR. MANN.

March 21, 1913. Rhode Island Section, American Chemical Society, Providence, Rhode Island. PROFESSOR CADY.

April 2, 1913. American Physical Society, Washington. PROFESSOR CADY.

April 11-12, 1913. Classical Association of New England, Worcester, Massachusetts. PROFESSOR HEWITT.

April 26, 1913. Association of New England College Librarians, New Haven. MR. JAMES.

April 26, 1913. American Mathematical Society, New York City. PROFESSOR CAMP.

May 2-3, 1913. National Commission of Milk Standards, Richmond, Virginia. PROFESSOR CONN.

May 7-8, 1913. Annual Meeting of Association of College Administrative Officers of New England, Cambridge, Massachusetts. PROFESSOR NICOLSON.

May 9, 1913. Annual Meeting of New England College Entrance Certificate Board, Boston, Massachusetts. PROFESSOR NICOLSON (elected secretary-treasurer).

May 10, 1913. Managing Committee of American School of Classical Studies at Athens, New York City. PROFESSOR HEIDEL.

May 10, 1913. New England Modern Language Association, Boston, Massachusetts. PROFESSOR FIFE and DOCTOR SCHOENEMANN.

UNDERGRADUATE NOTES

WESLEYAN ARGUS.—Certain changes have been made in the appearance and management of the *Argus*. Different type and a more newspaper-like heading have afforded increased space for news. In place of the previous somewhat haphazard system of editing by which each issue was practically in charge of one of the associate editors, it is the new policy to centralize the work more fully and increase the activity and responsibility of the editor-in-chief. In this way there will be better facilities for obtaining news and stricter censorship over the matter that finds its way into the columns of the paper. At the request of the *Argus* board, Jennings, ex-'03, and Sheldon, '99, have been appointed graduate members of the board, by the executive committee of the Alumni Council.

OMEGA PHI.—Twelve members of Omega Phi, a local fraternity, which expects to be received into a national fraternity in the near future, have petitioned the Senate for official recognition. The Senate voted to recommend that the new fraternity be recognized by the College Body during the cultivation season next autumn.

INTRAMURAL SPORTS.—More interest than last year is being shown by the undergraduates in intramural sports, and there has been a greater participation in them, not so much as a preparation for the varsity teams, as for the sake of the recreation, the improved health, and the training that comes from such activity. In basketball a schedule of forty-three games was played and one hundred and ten men participated, each playing in from one to fourteen games. There was also a considerable number of players who were training for the various teams. The Bosey Reiter, Jr., cup was won for the third time by the class of 1913, which thus becomes its permanent possessor.

DRAMATICS.—The annual performance of the Dramatic Club, which has usually been held in May, was given this year on the afternoon of December 13. The play presented was the "The Dictator" by Richard Harding Davis. It was produced under the direction of Mr. E. L. Duane, of New York City. After the performance in Middletown, the play was presented at Mount Vernon, New York, on December 20; at East Orange, New Jersey, on December 21; and at the Academy of Music, Brooklyn, New York, on December 23.

The annual dramatics of the Commons Club were held on March 17, at the Foss House. The Club presented "The School for Scandal" by Richard Brinsley Sheridan.

TILTON CLUB.—The organization of the graduates of Tilton Seminary is showing commendable activity. It has held several meetings and has been in consultation with the alumni secretary regarding methods that have proved effective in bringing the University to the notice of students in preparatory schools. The officers are: President, James Stephen Kellom, '14; Secretary-Treasurer, Harold Rideout Willoughby, '15.

[[COLLEGE ORCHESTRA.—To afford musical opportunity for those who play musical instruments unsuited for or not needed by the mandolin club, an orchestra has been organized under the leadership of Otto Carpenter, '15.

UNIVERSITY SERMONS, LECTURES, AND ADDRESSES

SERMONS, BACCALAUREATE SUNDAY, FIRST METHODIST EPISCOPAL CHURCH:

June 16, 1912.—Bishop Eugene Russell Hendrix, D. D., LL. D., '67:
II Corinthians 4, 16-18.

President Lemuel Herbert Murlin, D. D., LL. D., of Boston University: II Timothy 2, 8.

PREACHERS AT VESPER SERVICES, MEMORIAL CHAPEL:

1912

September 22 Reverend Rockwell Harmon Potter, of Hartford, Conn.

September 29 President Albert Parker Fitch, Ph. D., of Andover Theological Seminary.

October 6 Professor Norman E. Richardson, Ph. D., of Boston University School of Theology.

October 13 Reverend David George Downey, D. D., '84, of New York City.

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| October | 20 | Professor Robert William Rogers, Ph. D., Dean of Drew Theological Seminary. |
| October | 27 | Mr. Irving Bacheller, L. H. D., of New York City. |
| November | 3 | Bishop Luther Barton Wilson, D. D., of New York City. |
| November | 10 | Reverend Elmer Addison Dent, D. D., of New Haven, Conn. |
| November | 17 | Reverend Archey D. Ball, of New York City. |
| November | 24 | Bishop Edwin Holt Hughes, D. D., of San Francisco, Cal. |
| December | 1 | President Ezra Squier Tipple, LL. D., of Drew Theological Seminary. |
| December | 8 | Reverend Fred Winslow Adams, D. D., of Schenectady, N. Y. |
| December | 15 | Reverend Willis H. Butler, D. D., of Boston, Mass. |
| January | 5 | Reverend Ernest G. Richardson, of Bristol, Conn. |
| January | 12 | Bishop William Burt, D. D., '79, of Buffalo, N. Y. |
| January | 19 | President William Douglas Mackenzie, D. D., of Hartford Theological Seminary. |
| January | 26 | Reverend William Ingraham Haven, D. D., '76, of New York City. |
| February | 2 | Reverend George C. Peck, D. D., of New York City. |
| February | 9 | Bishop Luther Barton Wilson, LL. D., of New York City. |
| February | 16 | Reverend Wallace MacMullen, D. D., of New York City. |
| February | 23 | Professor Albert Cornelius Knudson, of Boston University School of Theology. |
| March | 2 | Reverend Lanress John Birney, D. D., Dean of Boston University School of Theology. |
| March | 9 | Reverend Augustus P. Reccord, of Springfield, Mass. |
| March | 16 | Reverend Charles E. Guthrie, D. D., of Wilkes-Barre, Pa. |
| March | 30 | Reverend Leonard Colburn Murdock, D. D., '90, of Scranton, Pa. |
| April | 6 | Professor William Joseph Thompson, of Drew Theological Seminary. |
| April | 13 | Reverend Ralph T. Flewelling, of Cambridge, Mass. |
| April | 20 | Reverend J. Lewis Hartsock, of New York City. |
| April | 28 | Reverend Christian F. Reisner, D. D., of New York City. |
| May | 4 | Reverend John D. Fox, D. D., of Harrisburg, Pa. |
| May | 11 | Reverend Lucius H. Bugbee, of Malden, Mass. |
| May | 18 | Reverend John B. Voorhees, of Hartford, Conn. |
| May | 25 | Reverend Edward A. Elliott, of Springfield, Mass. |

- June 1 Bishop William Franklin Anderson, LL. D., of Cincinnati, Ohio.
- June 8 Reverend David George Downey, D. D., '84, of New York City.

FINAL CHAPEL EXERCISES, MEMORIAL CHAPEL:

June 17, 1912.—Review of the Year:

President Shanklin: The University.

Harold Graham Anderson, '12: College Life.

Morse Shepard Allen, '12: The Other Side of College Life.

Reverend Edward Summerfield Ninde, D. D., '87: Playing the Game.

TOASTS, COMMENCEMENT LUNCHEON, FAYERWEATHER GYMNASIUM:

June 18, 1912.—Addison Loomis Green, '85, *Toastmaster*.

George Carr Round, '62: The Class of '62.

Leo Allen Bergholz, '82: A Wesleyan Ambassador to the Antipodes.

Ralph Spalding Cushman, '02: The Confessions of a Young Alumnus.

Honorable Simeon Eben Baldwin, LL. D.: The New England College.

President Shanklin: Our Loyal Friends.

TOASTS, WASHINGTON'S BIRTHDAY BANQUET, FAYERWEATHER GYMNASIUM:

February 22, 1913.—Herbert Bronson Shonk, '03, *Toastmaster*.

Raymond Silas Gibbs, '13: The Undergraduates.

Stewart Freeman Hancock, '05: The Younger Alumni.

Professor Kuhns: The Faculty.

Honorable Isaac Franklin Russell: George Washington.

President Shanklin: Wesleyan.

TALKS BEFORE INFORMAL MEETINGS OF THE COLLEGE BODY:

(*President*, Raymond Silas Gibbs, '13; *Secretary-Treasurer*, James Esmond Stiles, '13.)

October 26, 1912.—Doctor Irving Bacheller: Extracts from a Manuscript in the Making, Psi Upsilon House.

December 7, 1912.—Reverend Fred Winslow Adams, of Schenectady, New York: Five Grains of Corn, Delta Kappa Epsilon House.

March 7, 1913.—Reverend Bertrand M. Tipple, of Rome, Italy: The Third Rome, Chi Psi Lodge.

LECTURE BEFORE THE DEPARTMENT OF PHILOSOPHY:

February 10, 1913.—Professor Rudolph Eucken, University of Jena: The Necessity of Idealism.

LECTURE BEFORE THE DEPARTMENT OF HISTORY, FISK HALL:

October 19, 1912.—Professor Robert William Rogers, Drew Theological Seminary: Some Recently Discovered Papyri in Egypt.

LECTURES BEFORE THE DEPARTMENT OF CHEMISTRY, JUDD HALL:

October 29, 1912.—Professor Edward William Morley, Professor of Chemistry, Emeritus, Western Reserve University: A Difficult Atomic Weight.

December 18, 1912.—Professor Alexander Smith, Columbia University: The Teaching of Chemistry.

February 25, 1913.—Professor Martin Andre Rosanoff, Clark University: The Dynamics of Esterification and the Steric Hindrance Hypothesis.

PAPERS AND TALKS BEFORE THE CLASSICAL CLUB:

(*President*, Erlund Kenneth French, '13; *Secretary*, Harold Rideout Willoughby, '15.)

December 17, 1912.—Professors Nicolson, Hewitt, and Heidel: Why Study the Classics?

January 9, 1913.—Professors Heidel and Nicolson: Translations from the Latin Poets.

March 27, 1913.—Professor Heidel: The Roman Camp, Saalburg.

LECTURES BEFORE DER DEUTSCHE VEREIN:

(*President*, Noel Edgar Bensinger, '14; *Secretary*, Ernest Raymond Dodge.)

October 19, 1912.—Doctor August Mahr of Sheffield Scientific School: Deutsches Universitätsleben im Gegensatz zum Amerikanischen.

November 16, 1912.—Doctor Otto Michael of Berlin, Exchange Instructor in Princeton: Die Polenfrage in Deutschland.

December 16, 1912.—Professor Julius Petersen of University of Basel, Switzerland, Exchange Professor in Yale: München, die Hauptstadt Bayerns.

January 18, 1913.—Professor Carl F. Kayser of Normal College of the City of New York: Das heutige Deutschland in Amerikanischer Beleuchtung.

February 1, 1913.—Doctor Schoenemann: Die Deutsche Studentensprache und ihr Ursprung.

February 15, 1913.—Professor John Albrecht Walz of Harvard: Bauopfer.

March 8, 1913.—Professor George Moritz Wahl of Williams: Bismarck und seine Persönlichkeit.

April 19, 1913.—Doctor Schoenemann: Dichter der Befreiungskriege.

May 3, 1913.—Professor Fife: Deutschland und Frankreich in ihren gegenseitigen Beziehungen seit 1871.

May 17, 1913.—Professor Gustave Gruener of Yale: Deutschlands politische Parteien.

LECTURES BEFORE LA SOCIÉTÉ FRANÇAISE:

(*President*, Eugene Shepherd Clark, '13; *Secretary*, Thomas Alfred Courchesne, '15.)

October 10, 1912.—Professor Kuhn: Mes Expériences Universitaires en Allemagne, en France, et en Italie.

November 11, 1912.—Mr. Jacques Charbonnier of Yale: Genève.

December 16, 1912.—Mr. William George Chanter, '14: Trois Romans Français Modernes.

February 20, 1913.—Mr. Felice Ferrero of Newfield: La Vallée d' Aoste.

April 14, 1913.—Mr. Ralph Achilles Mautone of Campo Basso, Italy: Mes Expériences en France.

LECTURES BEFORE THE SOCIAL STUDY CLUB:

(*President*, John Lee Brooks, '15; *Secretary*, Thorold Ward Pell, '13.)

November 22, 1912.—Mr. Robert W. Bruere, General Agent of the New York Association for Improving the Condition of the Poor: The Socialists as a Party.

February 5, 1913.—Mr. Harry Wellington Laidler, '07, Organizer of the Intercollegiate Socialist Society: Socialism and the Student.

April 22, 1913.—Mr. Victor L. Berger, Congressman from Wisconsin: A Socialist in Congress.

LECTURES BEFORE THE MIDDLETOWN SCIENTIFIC ASSOCIATION, SCOTT LABORATORY:

(*President*, Professor Renshaw; *Secretary*, Professor Whitney.)

June 8, 1912.—Mr. Waterman S. C. Russell of the Central High School of Springfield, Massachusetts: Horseback Tours in Iceland.

October 8, 1912.—Mr. Henry Cave of Springfield, Massachusetts: Autogenous Welding and Cutting by Means of the Oxy-acetylene Torch.

November 12, 1912.—Professor Rice: The Two Nebular Theories.

December 10, 1912.—Dr. Charles Benedict Davenport of the Carnegie Institution: The Influence of Heredity on History, with Special Reference to Connecticut.

January 14, 1913.—Professor Henry Clapp Sherman of Columbia University: The Pure Food Movement.

February 11, 1913.—Professor John Charles Hubbard of Clark College: Recent Progress in the Production of Light.

March 11, 1913.—Professor Ansel Brooks of Brown University: Aeronautics.

April 8, 1913.—Professor Dutcher: The Science of History.

May 13, 1913.—Mr. Gowin: The Working Class and the Labor Problem.

PAPERS AND TALKS BEFORE THE APOSTLES' CLUB:

(*President*, Professor Nicolson; *Secretary*, Mr. Mann.)

October 11, 1912.—Professor Armstrong: Foreign Notes.

November 15, 1912.—Mr. Mann: Old French Epics.

December 12, 1912.—Professor Hewitt: The Greek Thanksgiving.

January 17, 1913.—Reports from meetings of learned societies.

February 14, 1913.—Professor Drake: Questionnaire Results.

March 14, 1913.—Professor Dutcher: The Benevolent Despotism of the Eighteenth Century.

April 18, 1913.—Professor Winchester: Some Remarks on Emerson.

May 16, 1913.—Doctor Schoenemann: Denker und Dichter der Befreiungskriege.

FACULTY LECTURES AND PUBLICATIONS

PRESIDENT SHANKLIN.—*Addresses and Sermons*.—Sermons at the Dedication of the Rogers Memorial Chapel of the First Methodist Episcopal Church, Meriden, September 15, 1912, and at First Methodist Episcopal Church, Middletown, September 22, 1912.

Address at the Educational Rally and Banquet of the General Conference of the Methodist Episcopal Church, Minneapolis, Minnesota, May 16, 1912.

Matriculation Address, Memorial Chapel, September 19, 1912.

Addresses before Alumni Associations at Minneapolis, May 15, 1912; New York City, January 10, 1913; Chicago, January 17, 1913; Philadelphia, February 7, 1913; Boston, February 10, 1913; Washington, February 12, 1913; Hartford, March 28, 1913.

Addresses before the following conferences: Central New York, New York East, New York, New England, and Wyoming.

PROFESSOR RICE.—*Lectures*.—John Monroe Van Vleck. A Memorial Address. Methodist Episcopal Church, Middletown, November 10, 1912; Methodist Preachers' Meeting, New York City, January 20, 1913.

James Dwight Dana—the Man. Celebration of Centenary of Dana's Birth, Geological Society of America, New Haven, December 29, 1912.

What I have Unlearned in Geology. Yale Geological Club, New Haven, January 16, 1913.

The Geography of Connecticut. South Congregational Church, New Britain, January 24, 1913.

Publications.—Christian Faith in an Age of Science. Third Edition. Pp. 425. New York, George H. Doran Company, 1912.

Fifth Biennial Report of the Commissioners of the State Geological and Natural History Survey, 1911-1912. Bulletin No. 21. Pp. 27.

James Dwight Dana—the Man. *Yale Alumni Weekly*, v. 22, pp. 403-404, January 3, 1913; also in *Bulletin of the Geological Society of America*, v. 24, pp. 56-60.

PROFESSOR WINCHESTER.—*Lectures*.—The Philosophy of Browning. Commencement Address at De Pauw University, June 13, 1912.

Address at dinner of the Wesleyan University Club of New York, New York City, January 10, 1913. Printed in *Methodist Review*, v. 95, pp. 277-285, March-April, 1913. Reprinted in pamphlet form by the Alumni Council of Wesleyan University.

The Religion of Browning, Browning Club of Drew Theological Seminary, Madison, New Jersey, December 11, 1912.

Three lectures on Three Plays of Shakespeare, Center Church, Hartford, January 11, 18, and 25, 1913.

Lectures before various schools.

Publications.—The Poetry of Robert Browning, *Methodist Review*, v. 94, pp. 674-692, September-October, 1912.

PROFESSOR CONN.—*Lectures*.—Milestones in Sanitary Science, Storrs, July 17, 1912; Montpelier Seminary, Montpelier, Vermont, January 29, 1913; and Tilton Seminary, Tilton, New Hampshire, January 28, 1913.

Bacteria in Milk. International Milk Dealers' Association, Chicago, Illinois, October 28, 1912.

Cigarette Smoking. Higganum, November 10, 1912.

The School Nurse. Twentieth Century Club, Middletown, February 25, 1913.

Municipal Milk Inspection. Middletown, March 28, 1913.

Publications.—Biology. Pp. 425. Boston, Silver, Burdett, and Company, 1912.

Laboratory of the State Board of Health, Report of the Director. Pp. 108-154, Report of the State Board of Health of the State of Connecticut, for the two years ending September 30, 1912. Hartford.

Will Any Milk Do? *Harper's Weekly*, v. 57, p. 10, February 8, 1913.

PROFESSOR ARMSTRONG.—*Lecture.*—Questions from Italy. Middlesex Ministers' Association, Middlefield, September 10, 1912.

Publications.—The Progress of Evolution. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 9, pp. 337-342, June 20, 1912.

Changes in the German Universities. *Science*, v. 36, pp. 440-443, October 4, 1912.

Germany Revisited. *Methodist Review*, v. 95, pp. 9-18, January-February, 1913.

German Culture and the Universities: a Retrospect. *Educational Review*, v. 45, pp. 325-338, April, 1913.

Contributions to Falckenberg's Geschichte der neueren Philosophie, Siebente Auflage, Leipzig, Veit und Compagnie, 1913.

PROFESSOR MEAD.—*Publications.*—Twenty-three years of the American Dialect Society. *Dialect Notes*, v. 3, pp. 595-596.

Editor of *Dialect Notes*, v. 3, part 8.

PROFESSOR HARRINGTON.—A Group of Useful Books. *Christian Advocate*, v. 87, p. 940, June 27, 1912, and p. 967, July 4, 1912.

The First Ancient Fortress in Italy. *The Roman World*, v. 18, April 5, 1913.

MR. JAMES.—*Lecture.*—The Supreme Court and the Constitution of the United States. Middlesex County Historical Society, Middletown, November 19, 1912.

PROFESSOR NICOLSON.—*Lecture.*—The Machinery of Admission to College. Connecticut State Superintendents' Association, Middletown, December 7, 1912.

Publications.—Proceedings of the Seventh Annual Convention of the National Collegiate Athletic Association. Pp. 74. Middletown, 1913.

College Athletic Administration. Replies to a Questionnaire on Eligibility, Training, Physical Condition, and Finances. Pp. 19. Middletown, 1913.

Family Records of Graduates of Wesleyan University. *Science*, N. S. v. 36, pp. 74-76, July 19, 1912.

PROFESSOR KUHN. — *Lectures*. — French Literature in the Nineteenth Century. A course of five lectures, delivered before the Hartford Tuesday Afternoon Club, January, February, and March, 1913.

Switzerland. Waterbury, January 13, 1913.

Grandi Uomini Italiani e Americani. An address to the Italians of Middletown. High School, January 16, 1913.

Address at the Washington's Birthday Banquet, Fayerweather Gymnasium, February 22, 1913. Published in *Wesleyan Literary Monthly*, v. 21, pp. 227-233, March, 1913. Reprinted in pamphlet form by the Alumni Council of Wesleyan University.

Address at the Twenty-fifth Anniversary of the founding of the Belden Library, Cromwell, April 9, 1913.

Publications. — The German and Swiss Settlements of Colonial Pennsylvania, Parts II and III. *Penn Germania*, v. 13, pp. 385-416, and 481-509, May and June, 1912.

The Beauty of the World. *Christian Advocate*, v. 87, pp. 1653-1654, November 21, 1912.

Dante — Poet, Patriot, and Prophet. *Christian Advocate*, v. 88, pp. 77-78, January 16, 1913.

The Position of Woman as seen across the Ages. *Methodist Review*, v. 95, pp. 184-192, March-April, 1913.

Schiller, the Poet of the Ideal. *Christian Advocate*, v. 88, pp. 499-500, April 10, 1913.

PROFESSOR HEIDEL. — *Publications*. — Review of W. H. Roscher's Die Zahl 40 im Glauben, Brauch und Schriftum der Semiten. Ein Beitrag zur vergleichenden Religionswissenschaft, Volkskunde und Zahlenmystik, and Die Tesserakontaden und Tesserakontadenlehren der Griechen und anderer Völker. Ein Beitrag zur vergleichenden Religionswissenschaft, Volkskunden und Zahlenmystik sowie zur Geschichte der Medizin. *Classical Philology*, v. 7, pp. 370-371, July, 1912.

Review of Arnold's Roman Stoicism: Being lectures on the History of the Stoic Philosophy with special reference to its development within the Roman Empire, *American Journal of Philology*, v. 33, pp. 205-209, April-June, 1912.

Review of Cornford's From Religion to Philosophy, *Journal of Philosophy, Psychology, and Scientific Methods*, v. 10, pp. 103-108, February 13, 1913.

Review of Brentano's *Aristoteles und seine Weltanschauung*, *Philosophical Review*, v. 22, pp. 220-222, March, 1913.

Review of Stemplinger's *Das Plagiat in der griechischen Literatur*. *Classical Philology*, v. 8, pp. 251-252, April, 1913.

Review of Usener's *Kleine Schriften, Erster Band*. *Classical Philology*, v. 8, pp. 252-253, April, 1913.

Review of Pascal's *Le Credenze d' Oltretomba nelle Opere Letterarie dell' Antichità Classica*. *Classical Philology*, v. 8, p. 254, April, 1913.

Review of Harrison's *Themis: a Study of the Social Origins of Greek Religion*. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 10, pp. 218-221, April 10, 1913.

On Certain Fragments of the Pre-Socratics; critical notes and elucidations. *Proceedings of the American Academy of Arts and Sciences*, v. 48, No. 19, pp. 679-734, May, 1913.

PROFESSOR DODGE.—*Lectures*.—The Attempt to Measure Mental Work as a Psycho-Dynamic Process. New York Academy of Sciences, Section of Anthropology and Psychology, New York City, November 25, 1912.

Apparatus and Devices of the Wesleyan Psychological Laboratory. Tenth Annual Conference of Experimental Psychologists, Middletown, April 10, 1913.

Publications.—The Refractory Phase of the Protective Wink Reflex, The Primary Fatigue of a Human Nervous Arc. *American Journal of Psychology*, v. 24, pp. 1-7, January, 1913.

Mental Work, A Study in Psycho-Dynamics. *Psychological Review*, v. 20, pp. 1-42, January, 1913.

PROFESSOR CADY.—*Lectures*.—The Vaporization of Metallic Cathodes in the Glow Discharge. Research Laboratory of the General Electric Company, Schenectady, New York, November 9, 1912.

Electric Lighting (with experiments). Cheshire School, Cheshire, March 8, 1913.

The Electric Arc. Rhode Island Section, American Chemical Society, Providence, Rhode Island, March 21, 1913.

Publications.—Magnetic Reactions Produced by a Copper Disc Rotating between the Poles of a Magnet (with F. G. Benedict). *Physical Review*, v. 34, pp. 315-316, April, 1912.

Rotations in the Metallic Arc. *Physical Review*, v. 35, pp. 77-78, July, 1912.

A Bicycle Ergometer with an Electric Brake (with F. G. Benedict). Pp. 44. Publication No. 167, Carnegie Institution of Washington, 1912.

Die Magnetische Reaktion einer zwischen die Polen eines Magneten kreisenden Kupferscheibe (with F. G. Benedict). *Physikalische Zeitschrift*, v. 13, pp. 920-930, October 1, 1912.

The Vaporization of Metallic Cathodes in the Glow Discharge. Abstract from Original Communications, Eighth International Congress of Applied Chemistry, v. 26, pp. 567-568, September, 1912.

Ueber die Erscheinungen an der Anode bei Gasentladungen. *Physikalische Zeitschrift*, v. 14, pp. 296-302, April 1, 1913.

PROFESSOR FIFE.—*Publications*.—Heinrich Heine, Die Harzreise und das Buch Le Grand, edited with an introduction and notes. Pp. xcv, 310. New York, Henry Holt and Company, 1912.

Heinrich Heine, Die Harzreise, edited with an introduction, notes, and vocabulary. Pp. lxxviii, 342. New York, Henry Holt and Company, 1912.

PROFESSOR DUTCHER.—*Lectures*.—Reverence. A Memorial Day Address. High School, Middletown, May 29, 1912.

The Growth of the British Empire, a Course of Thirty Lectures. Summer Session, Cornell University, Ithaca, New York, July 8-August 16, 1912.

The Napoleonic Era, a Course of Thirty Lectures. Summer Session, Cornell University, Ithaca, New York, July 8-August 16, 1912.

The History Teacher's Own Self. Association of Classical and High School Teachers of Connecticut, New Haven, Connecticut, February 15, 1913.

Neglected phases of New England History. Middlesex County Historical Society, Middletown, March 18, 1913.

Publications.—Review of Oman's History of the Peninsular War, Volume IV., December, 1810-December, 1811. *American Historical Review*, v. 17, pp. 830-832, July, 1912.

Review of Guyot's Le Directoire et la Paix de l'Europe des Traités de Bâle à la Deuxième Coalition, 1795-1799. *American Historical Review*, v. 18, pp. 133-135, October, 1912.

Review of Montarlot & Pingaud's Le Congrès de Rastatt, 11 Juin 1798-28 Avril 1799, Correspondance et Documents, Tome I. *American Historical Review*, v. 18, pp. 398-399, January, 1913; Tome II. *American Historical Review*, v. 18, p. 624, April, 1913.

PROFESSOR HEWITT.—*Lectures*.—Lectures at Derby and Wethersfield.
Publication.—Elements of Humor in the Satire of Aristophanes.
Classical Journal, v. 8, pp. 293-300, April, 1913.

PROFESSOR HOWLAND.—*Publication*.—Parallelograms Inscribed in a Rectangle. *American Mathematical Monthly*, v. 19, pp. 186-90, December, 1912.

PROFESSOR DRAKE.—*Publications*.—Syllabus: Introduction to the Study of Religion. Pp. 15. Middletown, 1912.

Syllabus of an Introductory Course in Ethics. Pp. 12. Middletown, 1912.

English Bible (Syllabus). Pp. 6. Middletown, 1912.

PROFESSOR CAMP.—*Lecture*.—The Expression of a Multiple Integral as a Simple Integral. American Mathematical Society, New York City, February 22, 1913 (reported in the *Bulletin* of the same society).

Publication.—Singular Multiple Integrals, with Applications to Series. *Transactions of the American Mathematical Society*, v. 14, pp. 42-64, 1913.

PROFESSOR RENSHAW.—*Publications*.—The Action of Salts of Choline on Arterial Blood Pressure (with E. P. Underhill and L. B. Mendel). *Journal of Pharmacology and Experimental Therapeutics*, v. 3, pp. 649-660, July, 1912.

Some Derivatives of Choline. *Journal of the American Chemical Society*, v. 34, pp. 1615-1619, November, 1912.

PROFESSOR WHITNEY.—*Publications*.—The Relative Toxicity of Methyl and Ethyl Alcohols as determined by the Rate of Reproduction in *Hydatina senta*. *American Journal of Physiology*, v. 30, pp. 463-465, September, 1912.

Weak Parthenogenetic Races of *Hydatina senta* subjected to a Varied Environment. *Biological Bulletin*, v. 23, pp. 321-330, October, 1912.

DOCTOR LAMOND.—*Publication*.—Improper Multiple Integrals over Iterable Fields. *Transactions of the American Mathematical Society*, v. 13, pp. 434-444, October, 1912.

MR. GOWIN.—*Lectures*.—Several addresses before workingmen in the Middletown factories.

Publication.—Social Study and Radical Thinking. *Wesleyan Literary Monthly*, v. 21, pp. 52-58, November, 1912.

MR. SENNING.—*Lecture*.—Variation of Method in Teaching American History. Connecticut State Teachers' Association, New Haven, Connecticut, October 26, 1912.

Publication.—The Know Nothing Party in Illinois, 1850-1857. *Annual Report of State Historical Society of Illinois*, 1911. Springfield, Illinois, 1913.

The College Man in Politics, *Wesleyan Literary Monthly*, v. 21, pp. 92-101, December, 1912.

DOCTOR SCHOENEMANN.—*Lectures*.—Theodor Fontane. Connecticut Group of the New England Modern Language Association, New Haven, March 15, 1913.

Die Nibelungen in Sage und Dichtung. Special public lecture, arranged by the board of education and the Germanistic Society of America, New York City, January 17, 1913.

Dichter und Denker der Befreiungskriege. Allgemeiner Deutscher Sprachverein, New York City, April 21, 1913.

Publications.—Rudolf Eucken. *New Yorker Staatszeitung*, October 6, 1912.

Das Deutsche Haus (of Columbia University), *Daheim*, November 2, 1912.

Das Deutsches Haus in New York. *Deutschland*, v. 4, pp. 19-20, April, 1913.

OBITUARY RECORD

The following deaths among the alumni have been reported since the publication of the last obituary record.

Class

- 1841 George Greenwood Reynolds, b. February 7, 1821, Amenia, N. Y.;
d. January 23, 1913, Brooklyn, N. Y.
- 1850 James Monroe Van Vleck, b. March 4, 1833, Stone Ridge, N. Y.;
d. November 4, 1912, Middletown, Conn.
- 1853 Henry White Warren, b. January 4, 1831, Williamsburg, Mass.;
d. July 24, 1912, Denver, Colo.
- 1857 William Henry Sutton, b. September 11, 1835, Haddonfield, N. J.;
d. March 14, 1913, Haverford, Pa.
- 1858 Daniel Clark Knowles, b. January 4, 1836, Yardville, N. J.; d.
February 12, 1913, Southern Pines, N. C.

- 1858 George Washington Mansfield, b. May 16, 1831, West Needham (now Wellesley), Mass.; d. February 5, 1913, Newton, Mass.
- 1859 Asa Boothby, b. September 23, 1834, Limington, Maine; d. May 2, 1912, Westbrook, Maine.
- 1859 Asa Prior Lyon, b. December 11, 1837, New York, N. Y.; d. June 8, 1912, Brooklyn, N. Y.
- 1859 Silas Everard Quinby, b. October 19, 1837, Haverhill, N. H.; d. February 23, 1913, Bellefonte, Pa.
- 1859 William Henry Starr, b. October 20, 1834, Groton, Conn.; d. May 6, 1912, Thornton, R. I.
- 1859 John Wesley Young, b. January 31, 1833, Pocono (now Jackson), Pa.; d. March 23, 1913, Jersey City, N. J.
- 1860 Sylvester Emory Strong, b. December 2, 1837, Palenville, N. Y.; d. March 17, 1913, Saratoga Springs, N. Y.
- 1861 Roswell Sargeant Douglass, b. September 26, 1841, Lowell, Mass.; d. July 24, 1912, Plymouth, Mass.
- 1863 Charles Swartz Harrower, b. October 31, 1842, Waterbury, Vt.; d. June 11, 1911.
- 1868 Joseph Emerson Robins, b. December 9, 1843, Littleton, N. H.; d. October 15, 1912, Wolfeboro, N. H.
- 1872 Silas William Kent, b. September 20, 1850, Remsen, N. Y.; d. January 23, 1913, Cazenovia, N. Y.
- 1876 Phebe Almeda Stone (Beeman), b. May 26, 1849, Gardner, Mass.; d. April 14, 1913, West Brookfield, Mass.
- 1877 Clara Rebecca Pitkin, b. January 20, 1850, East Montpelier, Vt.; d. April 24, 1912, Boston, Mass.
- 1881 George Bernard Benedict, b. March 18, 1853, Plymouth, N. Y.; d. September 20, 1912, San Juan, Porto Rico.
- 1883 Elmer Goodrich Derby, b. April 27, 1863, Middletown, Conn.; d. November 12, 1912, Middletown, Conn.
- 1886 Arthur William Byrt, b. September 23, 1864, Chicopee, Mass.; d. July 30, 1912, Oscawana Lake, N. Y.
- 1889 Henry Havens Chatfield, b. March 17, 1866, Bridgehampton, N. Y.; d. July 30, 1912, Southampton, N. Y.
- 1889 Arthur Herbert Meritt, b. February 23, 1863, West Eaton, N. Y.; d. May 17, 1912, Durham, N. C.
- 1893 Frederick Curry Ostrander, b. June 25, 1871, Kingston, N. Y.; d. March 24, 1913, New York, N. Y.
- 1898 George Albertus Kenyon, b. March 29, 1875, Clyde, N. Y.; d. August 25, 1912, Big Moose Lake, N. Y.
- 1898 Adolphus Stewart North, b. August 19, 1875, Amenia, N. Y.; d. May 5, 1913, Pasadena, Cal.

HONORARY ALUMNI

- Thomas Dale Littlewood, M. A., 1873, b. 1829, Sheffield, Yorkshire, England; d. December 31, 1912, Brooklyn, N. Y.
William Waugh Smith, LL. D., 1889, b. March 12, 1845, Warrenton, Va.; d. November 29, 1912, Lynchburg, Va.

NON-GRADUATES

- 1842 John Curry, b. October 4, 1814, Peekskill, N. Y.; d. December 18, 1912, Dixon, Cal.
1851 Manly Farwell Tooker, b. June 17, 1829, Geneva, N. Y.; d. May 5, 1912, Chicago, Ill.
1853 Albert Ethridge, b. January 19, 1829, Sandwich, N. H.; d. July, 1912, Marseilles, Ill.
1860 Eugene Oliver Ranney, date of birth unknown; d. January 15, 1913, Barton Landing, Vt.
1861 Otis Sterling Graves, b. September 17, 1831, Antwerp, N. Y.; d. February 13, 1912, Watertown, N. Y.
1863 Melvin Roblee, b. November 27, 1837, Granville, N. Y.; d. March 28, 1911, Mankato, Minn.
1870 Francis Bartlett Beers, b. March 25, 1846, Brooklyn, N. Y.; d. September 1, 1912, Brooklyn, N. Y.
1875 Lewis William Morey, b. November 26, 1848, Lowell, Mass.; d. June 16, 1911, Everett, Mass.
1876 James Trenchard Schock, b. April 22, 1851, Centerton, N. J.; d. August 10, 1912, Plainfield, N. J.
1879 Charles Archibald Ransom, b. June 22, 1857, Jersey City, N. J.; d. February 15, 1913, East Orange, N. J.
1881 Arthur Benjamin Calef, b. February 20, 1859, Middletown, Conn.; d. April 27, 1913, Middletown, Conn.
1899 James Richard Richards, b. September 15, 1869; d. September 19, 1911, San Diego, Cal.

— THE —
WESLEYAN UNIVERSITY BULLETIN
MIDDLETOWN, CONNECTICUT



pp 1-32

BULLETIN 55 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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under the Act of Congress of July 16, 1894*

MIDDLETOWN, CONNECTICUT
PELTON & KING, INC.

CALENDAR

1913

Sept. 18	Thursday	9:00 A. M.	College year began.
Nov. 26	Wednesday	12:00 M.	Thanksgiving recess began.
Nov. 29	Saturday	7:50 A. M.	Thanksgiving recess ended.
Dec. 19	Friday	5:00 P. M.	Christmas recess will begin.

1914

Jan. 3	Saturday	7:50 A. M.	Christmas recess will end.
Jan. 19	Monday		Mid-year examinations will begin.
Feb. 2	Monday	7:50 A. M.	Second half-year will begin.
Feb. 21	Saturday		A holiday.
Mar. 5	Thursday	8:00 P. M.	Briggs Prize Debate.
April 7	Tuesday	5:00 P. M.	Easter recess will begin.
April 15	Wednesday	7:50 A. M.	Easter recess will end.
April 30	Thursday	8:00 P. M.	Junior Exhibition.
May 29	Friday		Final examinations will begin.
May 30	Saturday		Memorial Day,—a holiday.
June 14	Sunday	10:30 A. M.	Baccalaureate Sermon.
June 15	Monday	9:30 A. M.	Examinations of College Entrance Examination Board will begin.
June 17	Wednesday	10:30 A. M.	COMMENCEMENT.
Sept. 16	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Sept. 17	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President

SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices

LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

THE *Bulletin* has just completed its twenty-fifth year. The first number appeared in January, 1888, with the following modest statement of plan and purpose: "It seems certain that there are many who would welcome, from time to time, some official intelligence from Wesleyan University beyond what can properly be given in the annual catalogue. This want THE BULLETIN is intended to supply. It makes no pretension to give a formal representation of the condition and work of the college in all its departments. It is, rather, a simple budget of college news which may afford some notion of what is doing here at the present moment, and of how it is done. It is hoped, furthermore, that THE BULLETIN may not only give such glimpses of the daily work of faculty and students as shall indicate the pulse of intellectual life in college, but that it may also suggest some of the claims and some of the needs of Wesleyan University, and may thus help to secure from our alumni and friends a more constant, intelligent, and hearty coöperation in all that pertains to the interest of the college."

This important service it is believed the *Bulletin* has faithfully rendered. Every change in the personnel of the University, every modification of its curriculum, every enlargement of its resources and

facilities, has been recorded here. The numbers of the *Bulletin*, taken together, really furnish a trustworthy history of Wesleyan for the last quarter century.

Nor is this all. It is interesting to note that when the first number of the *Bulletin* appeared the faculty numbered nineteen; of that number, only six are now in service here, and of those six two had then but just entered upon their duties, both in subordinate positions. There were but 190 students in college. The number of books in the library was "about 36,000"; the amount of the library fund was only \$18,792. Indeed, the total productive endowment funds of the University amounted to only \$672,000. It is certainly not unreasonable to suppose that the remarkable growth suggested by these figures has been due, in some measure, to the constant presentation of the condition and needs of the college in almost every number of the *Bulletin* for the last twenty-five years.

In the earlier years, the *Bulletin* contained occasional unsigned articles by members of the faculty, on topics of educational interest. Among such papers may be mentioned one or two on the study of history by Woodrow Wilson. But as the work of the University widened and its interests became at once more varied and more urgent, there seemed no space available for such discussions without abridging unduly that record of fact, work, and need, which has always been the primary purpose of the *Bulletin*.

THE "ANCIENTS OF THE COLLEGE."—Forty-five years ago this autumn William North Rice began active teaching in Wesleyan University as a full professor. Forty years ago Caleb Thomas Winchester entered upon his full professorship. Morris Barker Crawford is serving his thirtieth year as a full professor. Twenty-five years ago Andrew Campbell Armstrong and Herbert William Conn became full professors. For three others, William Edward Mead, Walter Parke Bradley, and Oscar Kuhns, this fall is the twentieth anniversary of their full professorships.

To each heartiest greetings, and grateful praise for the years of inspiring and fruitful teaching! For each best wishes for many added years of usefulness and happiness!

And we all praise famous men—
Ancients of the College;
For they taught us common sense—
Tried to teach us common sense—
Truth and God's Own Common Sense
Which is more than knowledge !

This we learned from famous men
Knowing not its uses
When they showed in daily work
Man must finish off his work—
Right or wrong, his daily work—
And without excuses.

This we learned from famous men
Teaching in our borders.
Who declarèd it was best,
Safest, easiest, and best—
Expeditious, wise, and best—
To obey your orders.

This we learned from famous men
Knowing not we learned it.
Only, as the years went by—
Lonely, as the years went by—
Far from help as years went by
Plainer we discerned it.

Wherefore praise we famous men
From whose bays we borrow—
They that put aside To-day—
All the joys of their To-day—
And with toil of their To-day
Bought for us To-morrow !

Bless and praise we famous men—
Men of little showing !
For their work continueth
And their work continueth
Broad and deep continueth
Great beyond their knowing !

Rudyard Kipling.

NEW PROFESSORS.—Four men are entering this year upon their work as full professors in Wesleyan University. Charles Augustus Tuttle comes in the prime of life to the chair of Economics and Social Science from years of service in Wabash College. Joseph William Hewitt, Edgar Fauver, and Leroy Albert Howland have won deserved promotion by years of faithful apprenticeship in Wesleyan. Professor Hewitt teaches classics. Doctor Fauver is the first person to be appointed professor of Physical Education in the University. Professor Howland, whose department is mathematics, is a graduate of Wesleyan in the class of 1900, and is the only alumnus since Professor Kuhns of the class of 1885 to be promoted to a full professorship in his Alma Mater.

Wesleyan University welcomes these men to her staff and wishes for them the fullest measure of success and satisfaction through the future years.

FINANCIAL STATEMENT.—The *Financial Statement* of the University for the year ending June 30, 1913, showed an increase of \$232,382.46 in the endowment funds, carrying the total amount of such funds to \$2,046,532.27. The total payments to the new endowment fund of a million dollars up to June 30 amounted to \$545,365.56. Subscriptions to this fund are payable up to June 30, 1916, and the contemplated increases and improvements can be undertaken only so fast as these subscriptions are paid and have begun to yield income. It is the steadfast purpose of the board of trustees to administer the University within its income, and the last fiscal year was closed with a small surplus, after wiping out the accumulated deficit of past years.

NEW BUILDINGS.—The extension of the Fayerweather Gymnasium to include a swimming pool rapidly approaches completion. The trustees contemplate the erection at an early date of the astronomical observatory for which funds are already available through the gifts of the late Joseph Van Vleck, and the late Professor John Monroe Van Vleck. Plans are being studied, with the assistance of an architect, for the future lay-out of the campus and its buildings.

The position and character of the various present buildings make somewhat difficult the problem of securing a satisfactory combination of scenic effect with convenience in relative location of buildings.

TRUSTEE COMMITTEES.—At the meeting in June the board of trustees enlarged the membership and extended the powers of the committee on buildings and grounds, and constituted a new standing committee on increase of endowment and equipment, with twelve members. Upon the members of these two committees rests the heavy burden of providing for the development of the Wesleyan that is to be. They expect *your* help.

THOSE NEEDS AND THAT SECOND MILLION—The increased attendance this year has made increasingly clear the imperative need of a new dormitory. This must take precedence of all other needs, loath as those who daily experience the need for a new library and a new chemistry laboratory are to concede it. President Shanklin has said that we must have at least one new building each year for five years. It seems to him and to the rest of us who are on the ground that we cannot and must not wait, that we must have these three buildings at once. These necessary new buildings, with the increase of the staff in instruction and administration which must accompany them, will impose demands for considerable additional endowment even beyond that now in sight. *Wesleyan needs liberal friends and needs their liberality now.*

THE REGISTRATION.—In the issue for May, 1907, the *Bulletin* urged that the time had come to increase the average size of the entering class from 100 to 150. This year for the first time the entering class numbers 150. There has been a corresponding increase in the total attendance. At that date there were 303 men in attendance; this year the total is 415. The editorial referred to made a special plea for a larger number of students from beyond the immediate territory of New England, New York, New Jersey, and Pennsylvania. The number from outside this limited area has been trebled. All credit to every one who has helped to accomplish these results.

This recent growth is exceptional among the New England colleges, and sustained effort is imperative to insure future entering classes of 150, which should mean a total attendance three years hence of approximately 500.

REQUIREMENTS FOR ADMISSION.—There are in the preparatory schools to-day 150 likely young men who are coming to Wesleyan next September. On the guidance they receive and on the work they do between now and then will depend whether they will come prepared to enter with a clear record free from conditions; or whether they will come seeking, or even demanding, admission with one or more conditions. The freshman year is the hardest college year, and its requirements cannot be rightly met by the man who enters handicapped. "It is worse than a crime, it is a blunder," to force a student into college before he is adequately prepared to do college work. Every one who has anything to do with a young man who is preparing to enter Wesleyan next fall is urged to take immediate steps to see that he is planning his work rightly to meet fully the requirements for admission at Wesleyan, which are substantially identical with those of the leading colleges and universities throughout the country.

THE COST OF AN EDUCATION.—Last year the average payment per student for all fees was \$100. Compared with this the single item of cost for salaries was at the rate of \$200 per student. The total payments for current expenditures were three times the total receipts from the students for all charges. This difference between the cost of education and the payments from students must be met by income from endowment funds. Every student should realize that he gets from the University three times what he pays for. Because every student is thus the beneficiary of trust funds, those charged with the administration of the University are determined that the enjoyment of these benefits shall be limited to those who by character and scholarship prove themselves worthy. This is the practical side of the establishment and maintenance of high standards at Wesleyan University.

THE VALUE OF A COLLEGE DEGREE.—It is, no doubt, impossible to measure the value of a college degree in terms of money, but certainly a degree does have a cash value as well as the intangible "higher value." Like every other commodity, the value of a degree fluctuates according to quality. It is of the highest interest to every holder of a Wesleyan degree and to every one who seeks a Wesleyan degree that its value should never depreciate, but rather appreciate. It is only as each candidate faithfully fulfils not merely the letter, but also the spirit, of every requirement which establishes the standard for the degree that he will realize full value for *his* degree. Some students, some parents, and even some alumni have failed to take this into consideration when they have wished the faculty to strain a point in their favor, or in favor of the one in whom they were interested.

SCHOLARLY RIVALRY.—Perhaps no longer is it regarded as axiomatic that competition is the life of trade, and for years it has been unpopular to countenance competition in scholarship, for competition in college life during the past generation has been too largely confined to the "student activities." The tide is turning, and friendly rivalry for leadership in the class-room is coming back into fashion. To encourage this tendency, Frederic Asbury Jackson, of the class of 1881, has presented to the University a cup to be awarded annually to that fraternity whose members have maintained the highest record in their studies. Every fraternity has avouched its appreciation of Mr. Jackson's gift, and its approval of the end sought. This is the right sort of stimulus to scholarly rivalry, for it is not an offer of a monetary inducement, but clearly emphasizes that culture itself is the valuable thing, and the laurel crown is but its recognition.

ASSOCIATE PROFESSOR RENSHAW.—After six years of efficient service in the department of chemistry, during the last of which he was the acting head of the department in the absence of Professor Bradley, Associate Professor Renshaw has accepted a call to an attractive position in the Iowa Agricultural College at Ames. Professor Renshaw carries with him the best wishes of many friends at Wesleyan.

TRUSTEE MEETINGS

The annual meeting of the board of trustees was held June 16-17, 1913, in Middletown.

The following were elected officers of the board for the ensuing year: President, J. C. Clark; Vice-President, John Gribbel; Secretary, D. G. Downey; Treasurer, C. D. Burdick.

President Shanklin presented his annual report, reviewing the work of the year, and calling attention to the present prosperity of the University, and to its future needs and possibilities.

The following minute was adopted: The board deeply regrets the voluntary retirement of Reverend A. W. Hazen, D. D., for twenty-five years a member of this board. We here place on record our high appreciation of his interest and devotion to all that concerns the welfare of Wesleyan University, and we assure him of our very high regard and of our very best wishes for him in all his life and work.

A report of election of alumni trustees showed that M. A. Knapp, T. E. Hancock, and J. A. Develin had been elected, the last mentioned to fill the unexpired term of G. G. Reynolds, deceased.

The following trustees were elected to succeed themselves for a term of five years from October 1, 1913: C. L. Rockwell, W. E. Sessions, W. H. Burrows, R. N. Bennett.

The following new trustees were elected: Bishop William Burt, '79, for five years, to succeed A. W. Hazen, retired; Robert Boyd Ward, of New Rochelle, New York, for a term of five years, to succeed J. T. Porter; Lewis Edward Gordon, '94, of Hartford, to succeed J. E. King, term to expire October 1, 1915.

After by-law Section 1 of Chapter X had been unanimously suspended for this meeting, the following amendments to the by-laws were adopted:

Section 2 of Chapter II was amended by adding: A committee on increase of endowment and equipment, of twelve members, two of whom shall be, *ex officio*, the president of the University and the president of the board. Also: A committee on buildings and grounds, of seven, two of whom shall be, *ex officio*, the president of the University and the president of the board. Chapter III was amended by adding:

Section 12: Committee on increase of endowment and equipment. The committee on increase of endowment and equipment shall take general supervision of the work of increasing the endowment and equipment of the University.

Section 13: Committee on buildings and grounds. To the committee on buildings and grounds shall be referred all matters relating to

the location and erection of new buildings, the material alteration of present buildings, the lay-out of the college grounds, and all matters naturally connected therewith; their authority shall be limited to consideration and report to the board, unless matters be referred with power; they may temporarily add to their own number such other persons as in their judgment circumstances may seem to require.

Section 9 of Chapter III was amended by adding: This committee shall take into consideration all matters relating to the faculty which may be referred to it by the board or by the president of the University, and report thereon to the board.

Section 6 of Chapter III was amended by adding: And to dispose of duplicate material in the library by sale, exchange, or gift, at their discretion.

The usual committees of the trustees were appointed.

The following appointments to the faculty were made, Charles Augustus Tuttle to be Professor of Economics and Social Science, and Walter Loring Barrows to be Instructor in Physical Geography for one year.

The president was authorized to confer the degrees of Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science upon certain candidates recommended by the faculty.

A leave of absence was granted Professor Rice for two or three weeks to participate in a geological trip to Alaska.

A memorial minute concerning G. G. Reynolds was read by the secretary. The budget for the year 1913-1914 was presented by the president of the University and adopted by the board. It was directed that when future budgets are prepared there shall be included in them a comparison (in totals) with the budget of the previous year. It was voted to increase the salaries of sixteen full professors by \$250 a year. An appropriation of \$200 was authorized for the American School at Athens.

It was voted that the committee on endowment be instructed to locate properly all funds now rightly belonging to scholarship endowment, and that the total sum granted for student aid for the coming academic year shall not exceed \$16,000, *including* the amount received from permanent endowed scholarships, and that the administration be expected to keep within the said amount; also that, as far as practicable, students receiving aid be requested to give some suitable obligation indicating a purpose to repay funds granted in aid.

S. H. Olin for the committee on buildings and grounds, made a verbal report stating that the committee had consulted with Architect

Henry Bacon, that plans had been approved and accepted for the extension of the gymnasium, and that probably the contract for the work would be promptly awarded. He also stated that the committee had consulted with the architect regarding the future development of the grounds.

The executive committee, through W. U. Pearne, presented a report which was accepted; the acts of the sub-committee were validated wherever necessary.

The question of a new dormitory was referred to the joint committee on finance and on grounds and buildings for report at the fall meeting.

The members of the faculty were requested to meet with the board at the social part of the fall meeting.

An adjourned meeting of the board of trustees was held in Fisk Hall, Middletown, Friday evening, October 24, 1913.

After a dinner, at which the members of the faculty were present, the meeting was called to order at 9:15 P. M., with twenty-nine trustees present.

President Shanklin presented an oral report upon the condition of the affairs of the college at the opening of the year, making comparisons with previous years and with other institutions. He reported the resignation of Associate Professor R. R. Renshaw, of the department of chemistry, and the appointment of M. L. Crossley, Ph. D., as Lecturer in Chemistry for one year, which was ratified by the board.

The financial statement of the University for the year 1912-13 was distributed to those present. The treasurer stated orally that up to October 23 the amount collected on the million dollar endowment was \$553,138, including payments by the General Education Board.

S. H. Olin, for the committee on buildings and grounds, exhibited blue prints and sketches prepared by Henry Bacon, architect in New York, showing a proposed lay-out for the future development of the college campus.

THE FINANCES

The following is an abridgment of the *Financial Exhibit of Wesleyan University for the year ending June 30, 1913*, submitted by the Treasurer of the University, Clinton D. Burdick:

PROPERTY OF WESLEYAN UNIVERSITY

Real estate used by the University,	-	-	-	-	-	\$899,809	13
Equipment of buildings,	-	-	-	-	-	201,277	48
Special investments,	-	-	-	-	-	175,391	95

General Investments:

Real estate mortgages, - - - - -	\$1,283,025 00
Railroad bonds, - - - - -	200,112 78
Other bonds, - - - - -	254,528 78
Bank stocks, - - - - -	12,987 50
Other stocks, - - - - -	38,313 12
Real estate, - - - - -	61,800 00
Cash, - - - - -	23,564 02
	\$3,150,809 76

The foregoing property represents the following funds and balances, and is answerable for the same:

University grounds, buildings, and contents, - - -	\$1,101,086 61
General endowment (including Trafton and Ayres funds),	997,990 98
Endowments of the presidency and professorships, -	664,556 28
Library endowments, - - - - -	100,887 08
Fayerweather Gymnasium fund, - - - - -	25,000 00
Endowments of prizes, - - - - -	9,116 09
Endowments of scholarships, - - - - -	154,715 18
Apparatus funds, - - - - -	10,104 38
Annuity funds, - - - - -	21,000 00
Astronomical Observatory fund, - - - - -	57,910 46
Wesleyan Hospital fund, - - - - -	5,251 82
Balances of special funds, - - - - -	3,190 88
	\$3,150,809 76

RECEIPTS EXCLUSIVE OF INCOME

Investments terminated, - - - - -	\$155,175 00
Alumni endowment fund, gifts, - - - - -	637 06
Other gifts for general endowment, - - - - -	237,827 26
Butler scholarship fund, gift, - - - - -	5,000 00
George W. Shonk scholarship fund, gift, - - - - -	10,000 00
Cyrus D. Jones scholarship fund, gift, - - - - -	2,500 00
Astronomical Observatory fund, gift, - - - - -	400 00
Walkley prize fund, gift, - - - - -	30 00
Incidentals, - - - - -	1,006 40
Undergraduate building fund for North College, gifts, -	565 20
Increase in sundry funds from income, - - - - -	6,944 25
Demand loan, - - - - -	15,000 00
	\$435,085 17

PAYMENTS EXCLUSIVE OF CURRENT EXPENSES

New investments, - - - - -	\$465,800 00
Demand note repaid, - - - - -	15,000 00
Incidentals, - - - - -	900 00
Transfer—Permanent funds to general income account, -	31,527 71
	\$513,227 71

RECEIPTS FOR INCOME

Tuition (excluding \$11,360.00 remitted), - - - -	\$20,614 75
Rents, laboratory and other fees from students, - -	32,409 91
College dining hall, - - - - -	8,345 62
Sundries, - - - - -	1,605 14
Gifts for income account, special, - - - - -	601 71
Gifts for income account, general, - - - - -	19,724 70
Transfer from new endowment fund, - - - - -	31,527 71
Income from general endowment (including Trafton and Ayres funds), - - - - -	46,971 44
Income from presidency and professorship funds, - -	32,604 28
Income from library endowments, - - - - -	4,512 14
Income from Fayerweather Gymnasium fund, - - - -	1,297 25
Income from prize endowments, - - - - -	360 00
Income from scholarship endowments, - - - - -	6,680 00
Income from apparatus funds, - - - - -	564 85
Income from Wesleyan hospital fund, - - - - -	263 51
From Carnegie Foundation, - - - - -	3,075 00
Income from annuity funds, - - - - -	945 70
	\$212,103 71

PAYMENTS FOR CURRENT EXPENSES

Maintenance and care of buildings and grounds, - -	\$25,682 47
Administrative expenses and incidentals, - - - -	13,936 32
College dining hall, - - - - -	8,477 95
Salaries, - - - - -	80,425 00
Library, book purchases only, - - - - -	4,747 79
Gymnasium (including salary of director), - - - -	2,478 49
Prizes, endowed, - - - - -	360 00
Prizes, unendowed, - - - - -	295 00
Scholarships, - - - - -	6,699 40
Annuities, - - - - -	950 00
Appropriations to departments, laboratories, library, and museum, - - - - -	8,041 78

American School at Athens, - - - - -	\$200 00
Retiring allowances, - - - - -	3,575 00
Wesleyan hospital fund, - - - - -	270 63
Interest and taxes, - - - - -	139 13
Expenses of new endowment fund committee, - -	824 44
Expenses of alumni council, - - - - -	917 57
Commencement expenses, - - - - -	1,122 76
Vesper services, - - - - -	1,587 14
Transfer to permanent funds, - - - - -	987 00
	\$161,717 87

COMPARATIVE SUMMARY OF PROPERTY

	1912	1913
University grounds, buildings, and con- tents, - - - - -	\$1,101,086 61	\$1,101,086 61
Investments, - - - - -	1,715,634 13	2,026,159 13
Cash, - - - - -	51,310 72	23,564 02
Balance due from income account, - -	49,540 71	
	\$2,917,572 17	\$3,150,809 76
University grounds, buildings, and con- tents, - - - - -	\$1,101,086 61	\$1,101,086 61
Endowment funds, - - - - -	1,814,149 81	2,046,532 27
Balances, - - - - -	2,335 75	3,190 88
	\$2,917,572 17	\$3,150,809 76
Less income balances, - - - - -	2,335 75	3,190 88
Total property, - - - - -	\$2,915,236 42	\$3,147,618 88
Increase, - - - - -		\$232,382 46

COMPARATIVE SUMMARY OF RECEIPTS AND EXPENDITURES

	1912		1913	
	Receipts	Expenditures	Receipts	Expenditures
General cash account, \$376,546 68	\$376,546 68	\$348,530 68	\$435,085 17	\$513,227 71
Income account, 196,385 38	196,385 38	196,276 67	212,103 71	161,707 87
	\$572,932 06	\$544,807 35	\$647,188 88	\$674,935 58

The total receipts from investments during the year were \$101,123.42.
The income of the general investments has been divided at the rate of

5.189 per cent. among the funds and balances to which these investments belong, no interest being allowed to the profit and loss account for general endowment, and only the interest called for by agreement being allowed on the annuity funds. By vote of the board of trustees, the expenditures from any library, scholarship, or prize fund, in any one year, shall not exceed $4\frac{1}{2}$ per cent. of the principal of said fund. Any income above $4\frac{1}{2}$ per cent. is added to the principal of the fund.

During the year, payments of \$886.76 increased the alumni fund from \$93,077.98 to \$93,964.74. Of the new payments, \$637.06 was credited to the general endowment fund, and \$249.70 to the general income account.

During the year, payments of \$254,657.26 increased the new endowment fund from \$290,708.30 to \$545,365.56. Of this amount, \$205,199.55 has been added to the general endowment, \$17,930 has been used to increase old funds or to found new ones, and \$31,527.71 has been applied to the reduction of the accumulated deficit.

For the sake of clearness, a statement of the annual deficit or surplus for the last five years is here presented:

1908-09	-	-	-	-	-	-	-	-	\$15,325 69
1909-10	-	-	-	-	-	-	-	-	40,195 34
1910-11, (surplus)	-	-	-	-	-	-	-	-	2,415 50
1911-12, (surplus) transfer included	-	-	-	-	-	-	-	-	529 82
1912-13, (surplus) transfer included	-	-	-	-	-	-	-	-	1,525 15

Subscriptions to meet current expenses have been made as follows:

1908-09	-	-	-	-	-	-	-	-	\$2,662 76
1909-10	-	-	-	-	-	-	-	-	847 34
1910-11	-	-	-	-	-	-	-	-	20,846 98
1911-12	-	-	-	-	-	-	-	-	451 90
1912-13	-	-	-	-	-	-	-	-	724 70

RECENT GIFTS

Since the publication of the last *Bulletin* the new endowment fund has been increased by gifts aggregating \$114,474.06. Of this amount \$77,338.79 has been received since July 1, 1913.

The following gifts have been made toward the current expenses of the year 1913-14; Charles M. Jarvis, \$300, Joseph Merriam, \$100, A. R. Crittenden, \$75.

Gifts for specific purposes have been made as follows: Museum, A. R. Crittenden, \$38.24, and W. N. Rice, \$109; Library, Connecticut

Gamma of Phi Beta Kappa, \$14.47, W. S. Wallace, '04, books for department of psychology, \$10.

S. H. Olin, '66, has given through the new endowment fund \$450 to be added to the principal of the Olin Prize Fund.

ALUMNI ASSOCIATION

The annual meeting of the Alumni Association was called to order at 10:55 A. M. on Tuesday, June 17, with about one hundred present.

It was voted that the office of treasurer be combined with that of secretary. It was also voted that the balance now in the custody of the treasurer be given to the Alumni Council. Reports were made by A. B. Carrington, '76, chairman of the Alumni Council, and by the following chairmen of committees: W. D. Leonard, '78; C. P. Tinker, '89; K. M. Goode, '04; A. R. Bishop, '05; as well as by W. F. Sheldon, '99, the secretary of the Council. It was voted that the Association express its gratitude to the Alumni Council for its work exhibited in the reports just made. H. J. Conn, '08, was nominated for member-at-large of the Council.

For the ensuing year the following officers were elected: *President*, E. L. Steele, '94; *First Vice-President*, B. M. Gallien, '82; *Second Vice-President*, R. C. Parker, '93; *Third Vice-President*, F. T. Kurt, '95; *Secretary-Treasurer*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Executive Committee*, M. B. Crawford, '74; M. E. Culver, '75; J. F. Calef, '77; J. E. Loveland, '89; A. F. Goodrich, '99. As alumni trustees T. E. Hancock, '71, and M. A. Knapp, '68, were elected to succeed themselves for a term of five years, and J. A. Develin, '83, to fill out the unexpired term of G. G. Reynolds.

ALUMNI ATHLETIC ASSOCIATION

The annual meeting of the Alumni Athletic Association was held in Lower Chapel on Tuesday, June 17, 1913. In the absence of the president and vice-president, S. V. Coffin, '89, called the meeting to order at 12 M.

The secretary reported increased membership and excellent financial condition. L. E. Gordon, '94, reported that the general athletic situation was the best in the history of the college.

C. H. Garrison, '94, was elected to succeed himself as alumni representative on the athletic council.

The following officers were elected: *President*, K. M. Goode, '04; *Vice-President*, A. K. Dearborn, '06; *Secretary-Treasurer*, H. V. Leonard, '12, 443 Fourth Avenue, New York City; *Auditing Committee*, C. F. Corner, '03. A vote of thanks was tendered to the retiring secretary-treasurer, H. B. Shonk, '03.

ALUMNI COUNCIL

The Alumni Council held its regular June meeting at 9:30 A. M. on June 17, 1913. An hour was occupied with informal discussion of the several committee reports which were to be presented at the meeting of the Alumni Association at 10:30 A. M.

The October meeting was held on October 11, 1913, at 10:30 A. M. The resignation of I. E. Manchester, '96, was accepted. V. B. Swett, '96, was reelected to membership in the Council for five years, and H. J. Conn, '08, nominated at the June meeting of the Alumni Association, was elected for five years. The chairman of the Council made a brief statement of the provisions made by the trustees of the University and the finance committee of the Council for the maintenance of the work of the Council during the coming year.

The secretary reported the circulation of five thousand copies of "A Trip to Wesleyan," and gave a report of his correspondence and road work during the last two months. It was voted to send a copy of "A Trip to Wesleyan" to every living alumnus. His recommendation that the year be marked by more frequent communications from the University to the alumni was approved and a tentative schedule of such communications was arranged. It was voted to recommend that the annual address list of the alumni should not be mailed earlier than September 10.

R. W. Eaton, '12, and S. W. Murphy, '13, were reported as elected to the Council by their respective classes. The committee on class organizations, reported through its chairman, C. P. Tinker, '89, that the Manual for class secretaries, which is largely the compilation of H. J. Conn, '08, was nearly ready for the press. It was recommended that it be printed first in the *Argus*. The committee on publicity, through its chairman, K. M. Goode, '04, reported the development of plans for following up letters of inquiry from prospective students.

A special committee, of which B. M. Gallien, '82, was chairman, presented amendments to the constitution, allowing representatives of classes more than thirty-five years out of college to be members of the Council under certain circumstances.

A. B. Carrington, '76, and W. F. Sheldon, '99, were reëlected respectively chairman and secretary of the Council.

President Shanklin made a brief call while the Council was in session.

The following are the various committees for the year 1913-14:

Executive: A. B. Carrington, '76, *Chairman*; W. F. Sheldon, '99, *Secretary*; W. A. Jones, '81; C. P. Tinker, '89; K. M. Goode, '04; A. R. Bishop, '05; R. B. Chamberlain, '09.

Finance: W. A. Jones, '81, *Chairman*; E. A. Wilkie, '76; F. W. Frost, '94; F. T. Kurt, '95; H. B. Shonk, '03; G. I. Bodine, Jr., '06; G. C. Douglass, '08.

Class Records and Organization: C. P. Tinker, '89, *Chairman*; L. F. Bower, '79; B. M. Gallien, '82; W. M. Cassidy, '88; C. E. Johnston, '00; O. F. McCormick, '07; H. J. Conn, '08; L. A. Maynard, '11.

Publicity: K. M. Goode, '04, *Chairman*; J. S. Judd, '85; V. B. Swett, '96; F. T. Kurt, '95; L. D. Day, '04; G. C. Douglass, '08; R. W. Eaton, '12.

Preparatory Schools: R. B. Chamberlain, '09, *Chairman*; E. S. Ninde, '87; G. L. Plimpton, '91; N. C. Hubbard, '92; G. H. Blakeslee, '93; R. H. Jones, '01; R. A. Anderson, '02.

Alumni Associations: W. F. Sheldon, '89, *Chairman*; A. W. Harris, '80; B. M. Gallien, '82; G. M. La Monte, '84; J. W. Maynard, '83; L. G. Westgate, '90; H. B. Merritt, '10.

Undergraduate Activities: A. R. Bishop, '05, *Chairman*; W. D. Leonard, '78; A. F. Goodrich, '99; F. R. North, '97; A. K. Dearborn, '06; S. W. Murphy, '13.

The secretary of the Council is visiting a number of schools that have not previously been visited by any representative of Wesleyan. One of his trips included about a dozen of the northernmost and easternmost schools in the United States. In November he visited a number of schools in the middle west and attended a national convention of alumni secretaries in Chicago, the second of the kind ever held.

The outstanding thing in the activity of the Council last year was the preparation and publication of "A Trip to Wesleyan," the text of which was written by K. M. Goode, '04. For the new college year the special features include the increase of alumni news, the fixing of stated dates for the appearance of class letters, and the preparation throughout the year for the June reunions.

APPOINTMENTS TO THE FACULTY

CHARLES AUGUSTUS TUTTLE, elected Professor of Economics and Social Science, was graduated from Amherst in 1883 with the degree of B. A. He received the degree of M. A. from the same institution in

1886, and that of Ph. D. from Heidelberg the same year. In 1913 he was honored with the degree of L.L. D. from Wabash. Professor Tuttle has held the following positions: instructor in political economy, Amherst College, 1886-1892; associate professor of political economy and international law, Amherst College, 1892-1893; professor of history and sociology, Wabash College, 1893-1898; professor of political economy and political science, Wabash College, 1898-1913; professor of economics and social science, Indiana University, summer sessions, 1911, 1912, and 1913. Professor Tuttle is a member of Phi Beta Kappa and of the American Economic Association. He has published:

The Wealth Concept. A Study in Economic Theory. *Annals of the American Academy of Political and Social Science*, v. 1, pp. 615-634, April, 1891.

Outline of Course in Economic Theory. Pp. 106, Crawfordsville, The Indiana Printing Company, 1894.

The Fundamental Economic Principle, *Quarterly Journal of Economics*, v. 15, pp. 218-253, February, 1901.

Clark's The Distribution of Wealth, *Yale Review*, v. 10, pp. 179-187, August, 1901.

The Workman's Position in the Light of Economic Progress, *Publications of the American Economic Association*, third series, v. 3, pp. 199-212, February, 1902.

The Real Capital Concept, *Quarterly Journal of Economics*, v. 18, pp. 54-96, November, 1903.

The Fundamental Notion of Capital Once More, *Quarterly Journal of Economics*, v. 19, pp. 81-110, November, 1904.

CAREY HERBERT CONLEY, elected Associate Professor of the English Language, was graduated from the University of Michigan in 1902 with the degree of B. A. In 1912 he received the degree of M. A. from the University of Chicago. In addition to his work for the M. A. degree, Professor Conley spent between one and two years at the University of Chicago in graduate study. From 1905 to 1907 he was professor of English and public speaking at Grand Island College, Nebraska; he was instructor in English at Purdue University, 1907-09, and instructor in rhetoric at the University of Michigan, 1909-13.

WALTER RICHARD MILES, elected Associate Professor of Psychology, was graduated from Pacific College in 1906 with the degree of B. S. He received the degree of B. A. from Earlham College in 1908, the degree of M. A. from the State University of Iowa in 1910, and the degree of Ph. D. from the same University in 1913. In 1908-09 he was professor of psychology and education at Penn College. From 1909 to 1911 he was

fellow in education and in psychology at the State University of Iowa, and assistant in psychology at the summer school of that institution in 1910. Professor Miles is a member of Sigma Xi, and of Phi Delta Kappa. He has published:

Some Recent Books on Educational Psychology. *Psychological Bulletin*, v. 8, pp. 363-372, October 15, 1911.

A Comparison of Elementary and High School Grades, *Pedagogical Seminary*, v. 17, no. 4, pp. 429-451, December, 1910.

MOSES LEVEROCK CROSSLEY, elected Lecturer in Chemistry, was graduated from Brown University in 1909 with the degree of Ph. B. He served as Instructor in Chemistry at Brown in 1909-11. He received the degree of M. Sc. in 1910, and the degree of Ph. D. in 1911 from Brown. He was Associate Professor of Chemistry in William Jewell College, 1911-12, and Professor of Organic Chemistry and Biology in the same institution, 1912-13. He was also Lecturer for the International Committee of Young Men's Christian Associations, 1911-13, giving in all thirty-six lectures in Missouri, Kansas, Illinois, and Indiana. He is a member of Sigma Xi, The American Association for the Advancement of Science, The American Chemical Society, and The Eighth International Congress of Applied Chemistry. He has published:

Certain Derivatives of Anthraquinone, of the Amido and Sulphonic Acid Series. Pp. 217. Providence, Standard Printing Company, 1909. (Thesis for the doctorate.)

An Improved Method for the Production of Mono- β -Amido Anthraquinone, *Original Communications of the Eighth International Congress of Applied Chemistry*, v. 25, pp. 351-3, 1912.

The Function of a College Education, *Education*, v. 33, pp. 129-134, November, 1912.

A Man's Problem—A lecture to College Men. Pp. 16. Liberty, Missouri, Tribune Press, 1912.

LEO GILBERT CUMMINGS, elected Assistant in Physics, was graduated from Clark College in 1913 with the degree of B. A.

HAYNES HAROLD FELLOWS, elected Assistant in Biology, was graduated from Wesleyan University in 1913 with the degree of B. A.

EARL STANLEY HALL, elected Assistant in Physical Education, studied two years at the International Young Men's Christian Association College.

CLINTON BEDFORD OGILVIE, elected Assistant in Chemistry, was graduated from Clark College in 1913 with the degree of B. A.

DEPARTMENT NOTES

LATIN.—Among the photographs collected during the past year by Professor Harrington for the department of Latin are views of the arches of Titus and Constantine, of the Appian Way, and of the Roman Campagna and the Alban mountains. These, together with a Piranesi engraving of the Circus Maximus and several reproductions in color of ancient frescoes from Rome and Pompeii, have been framed and added to the group of pictures already hung in the Latin class room. Many smaller photographs and other pictures from Italy, France, and Africa, and a considerable number of lantern slides, have also been added to the material available for use in Latin classes.

Among other new illustrative material may be mentioned lamps and other antiquities from Carthage, terracotta figures from Selinunte and from the Ponte di Nona on the Via Praenestina, brickstamps from Ferento in Etruria, some Roman coins of the republican epoch, fragments of Etruscan and Latin pottery, and decorative marble from many sites.

Besides the courses that would normally be offered this year, Course VIII (Roman Literature) is being given by Professor Harrington, who is also this year conducting Course VI (advanced Latin composition).

HISTORY.—Professor Dutcher is giving for the first time a course on European History prior to 800, which is intended to alternate with the course on European History from 800 to 1660. The new course includes a brief survey of the history of Egypt, Babylonia, and Assyria, and a fuller study of the history of Greece and Rome, of the rise of Christianity, and of the first eight Christian centuries. The course is intended for advanced students, and is the first attempt at Wesleyan to give a general course in ancient history.

The course in political science, as offered for the first time last year, was adjusted to meet certain temporary demands. This year changes have been made to give the course what, it is believed, will be its permanent character. After a concrete study of the existing governments of the United States and of the more important European countries, a topical study of the theories of government will complete the course.

ECONOMICS AND SOCIAL SCIENCE.—The class in applied sociology is investigating the workings of the attendance law in the Middletown public schools, especially cases of non-attendance between the ages of fourteen and sixteen.

Room B in the basement of Fisk Hall has been made into a headquarters for all the work in sociology. One part serves as an office,

another part as a seminary, and the remainder is reserved for the lecture courses. This arrangement will also furnish excellent quarters for the course in statistics which is to be offered in the department for the first time this year.

MATHEMATICS.—An engineer's dumpy level and a polar planimeter, both made by the Kenffel and Esser Company, have been added to the equipment of the department. The department has also received, as a gift from the Eugene Dietzgen Company, two large, framed, cross sectional drawings of surveying instruments.

PHYSICS.—Recent purchases for the physical laboratory include a vibration galvanometer of the Rubens type, made by Oelmke in Berlin.

A wireless telegraph aerial for general experimental purposes and for use in connection with Course X is being erected by students in the department, extending from a forty-foot mast on top of the laboratory to a shorter mast on the roof of Judd Hall.

Professor Cady has received a communication from the committee of radiotelegraphic investigations of the British Association for the Advancement of Science, requesting his participation in an investigation of the effects of the atmosphere on wireless transmission. An extensive plan for international coöperation will soon be inaugurated. In common with certain other laboratories and wireless stations, the new receiving apparatus at the Scott Laboratory will be used for this purpose.

CHEMISTRY.—Shortly before the opening of the present college year, Professor Renshaw, who had been connected with the department for six years, and had served as acting head of the department during the year 1912-13, was called to an excellent position at Iowa State College of Agricultural and Mechanical Arts as Assistant Professor of Organic Chemistry. Through his removal, the department has lost an enthusiastic and successful instructor and investigator. Fortunately, though the time was short, an able successor was secured in the person of Doctor Moses Leverock Crossley (Ph. D. Brown, 1911). Some account of Doctor Crossley's academic career is given elsewhere in this *Bulletin*.

Mr. Clinton Bedford Ogilvie (B. A. Clark College, 1913), holds the position of Assistant in Chemistry, succeeding Mr. Robert Reed Stevens, who served two years in that capacity.

With the return of Professor Bradley from his leave of absence, the courses which were omitted last year are resumed.

Two minor changes in the requirements in physiological chemistry may be noted. Course XII (lectures) is elective, with permission of

the instructor, for those who have taken, or are taking, Course VI. Course XIII (laboratory) is elective, with permission of the instructor, for those who have taken Courses III and VII, and who have taken, or are taking, Course XII.

A number of important pieces of apparatus have been secured for the course in physical chemistry, including a thermostat and an apparatus for the determination of the conductivity of electrolytes, the electromotive force of cells, the relative migration velocities of ions, etc. One of the three weekly lectures in this course will occasionally be replaced by a practicum, in order to familiarize the student with methods of physicochemical measurement.

PHYSICAL EDUCATION.—Thus far the work of the department has been carried on under adverse conditions, owing to the fact that many of the changes in the gymnasium building necessitated by the addition of the swimming pool are not yet completed. The lack of hot water has compelled the athletic teams to use the large storeroom in the south end of the basement of North College as their dressing room.

The department begins its work with two assistants. Mr. E. S. Hall comes from the International Y. M. C. A. College at Springfield, Massachusetts, and is giving his full time to the work of the department. In addition to rendering assistance in the physical examinations, he has had full charge of the freshman squad in football and has assisted in the required track work. Mr. F. E. Stevens enters as a freshman from Mount Hermon School, where he was instructor in boxing for four years. He gives one hour a day to the work of the department and also is giving a number of students private lessons in boxing and fencing. Mr. Hunter, who has coached the track teams for the past six years, is here throughout the year in the capacity of trainer and coach. His presence will be an additional incentive to our athletic teams to maintain a high standard of training.

Several changes have been made in the amount and quality of the work required of the freshmen, who are now required to join some squad in tennis, baseball, football, or track, from October 1 to November 10. Attendance is kept and the work is required three days a week. From November 10 until cold weather, all freshmen are required to engage in soccer football. From then the work will be carried on in the gymnasium, but will include, in addition to gymnastics, instruction in boxing, swimming, basketball, handball, and squash.

A course in physical education is offered, elective for seniors and juniors. This consists of three hours per week of practice the first

semester and three hours of lectures the second semester. It is intended to meet the needs of many of the students who engage in teaching and are required to give instruction in gymnastics and athletics.

UNIVERSITY NOTES

IMPROVEMENTS AND REPAIRS.—Extensive improvements were made this summer on and about the two houses on the west side of College Place. That occupied by Professor Rice was painted and a concrete walk was laid from the street to the front door; that occupied by Professor Hewitt was renovated inside and out, the cellar was deepened and a concrete floor laid. Professor Nicolson's house was painted. The house at 51 Wyllys Street underwent extensive renovation. In Observatory Hall new floors were laid in the corridors and most of the rooms were renovated. In East Hall certain changes were made to afford increased space for the offices of the Alumni Council.

STATE GEOLOGICAL AND NATURAL HISTORY SURVEY.—The Connecticut State Survey continues under the superintendency of Professor Rice.

The only new work which is in progress during the present year is a study of the underground waters of the state in coöperation with the United States Geological Survey. This investigation is under the general direction of Professor Herbert E. Gregory, of Yale University, and the field work is being done by Mr. Arthur J. Ellis.

Professor Rice is editing the Bulletins of the Survey which have been contracted for in previous years. A Bulletin on the Birds of Connecticut, by John H. Sage, A. M., of Portland, and Lewis B. Bishop, M. D., of New Haven, assisted by Walter P. Bliss, M. A., of Columbia University, has just been published. This Bulletin contains the results of many years of careful observation by Mr. Sage and Doctor Bishop. Mr. Sage's observations have been continued for a period of forty-five years. This Bulletin was one of the first planned and contracted for after the establishment of the Survey in 1903. The publication has been delayed by many unforeseen hindrances, and has been eagerly expected by ornithologists, teachers, farmers, and others interested in our birds.

Two other Bulletins are now in press. One is on the Hymenoptera of Connecticut, by Henry L. Viereck, of the Natural History Museum, University of Kansas, with the collaboration of a number of specialists

on different families included in that large order. It forms the second instalment of a work on the Insects of Connecticut, which has been planned under the general direction of W. E. Britton, Ph. D., of the Connecticut Agricultural Experiment Station, New Haven.

The other Bulletin in process of publication is on the Triassic Life of the Connecticut Valley. It is by Professor R. S. Lull, of Yale University, who is one of the highest authorities in the world on the Dinosaurs, a group of extinct reptiles by which most of the tracks on our red sandstones were made.

DEBATE.—The trials for the annual debates with Amherst and Williams resulted in the selection of the following men to uphold the affirmative at Middletown against Williams: Dulany, '14, and Sickels, '14, with Richmond, '15, as alternate. The following were selected to uphold the negative against Amherst at Amherst: W. H. Reeves, '16, and Willoughby, '15, with Brown, '14, as alternate. The question for debate reads: Resolved, That United States vessels engaged in coastwise trade should pay the same toll in passing through the Panama canal as all other vessels. The debate will be held on December 12.

According to the two year agreement made last year, a debate will be held in the spring between Bowdoin, Hamilton, and Wesleyan on a question not yet selected.

The officers of the Debating Council for the present year are: Dulany, '14, president; Abraham, '14, manager; and Brodhead, '15, assistant manager.

The debate between the sophomores and freshmen will be held on December 3, the subject being identical with that of the triangular debates. The contestants will be, for the sophomores, Cass, Curtis, and Martin, with Aldrich as alternate; for the freshmen, Brown, Sayre, and M. K. Thomson, with Perkins as alternate.

PHI BETA KAPPA.—At a meeting of the Society held on November 20, the following members of 1914 were elected to membership: Noel Edgar Bensinger, of Auburn, New York; Raymond Tostevin Bond, of Richmond Hill, New York; Robert Coleman Brown, of Elmira, New York; William George Chanter, of Detroit, Michigan; Ralph Olin Dulany, of Fruitland, Maryland; Joshua Collett Frost, of Auburn, Maine; Brewster Hawkins Jones, of Belleville, New Jersey; Richard Alfred Rossiter, of Oswego, New York; Harold Purcell Winchester, of Albany, New York.

RELIGIOUS CENSUS.—The religious census of the student body for the year 1913-1914 gave the following facts:

	CLASS OF 1914	1915	1916	1917	TOTAL
Methodist Episcopal, - - -	50	43	59	85	237
Congregational, - - -	7	7	10	8	32
Protestant Episcopal, - - -	7	3	8	9	27
Presbyterian, - - - -	5	3	3	12	23
Baptist, - - - - -	5	2	0	8	15
Unitarian, - - - - -	2	0	1	2	5
Roman Catholic, - - -	1	1	0	3	5
Jewish, - - - - -	0	0	0	4	4
Lutheran, - - - - -	2	1	0	0	3
Dutch Reformed, - - -	0	0	1	0	1
Friends, - - - - -	0	0	1	0	1
Reformed, - - - - -	0	0	0	1	1
Unknown or no preference, -	14	13	18	16	61
					415

FACULTY NOTES

PRESIDENT SHANKLIN.—In the course of the year President Shanklin has addressed the alumni associations of New York, Philadelphia, Boston, Washington, and Syracuse, and has also spoken in the interests of Wesleyan before most of the patronizing conferences.

PROFESSOR RICE.—During the summer vacation, Professor Rice attended the International Geological Congress held in Toronto, August 7-14, as a delegate from Wesleyan University and from the State Geological and Natural History Survey. The meetings were held in the University of Toronto, and most of the members lodged and boarded in the university buildings.

In connection with the triennial meetings of the International Congress, geological excursions are conducted by the geologists of the country in which the congress is held, for the benefit of the visiting geologists. In connection with the Toronto meeting, the program of excursions was more extensive than in connection with any previous meeting. Short excursions in the vicinity of Toronto were made in the course of the meeting, and longer excursions—varying from a few days to six weeks—before and after the meeting.

Professor Rice took part in a series of excursions to the Pacific coast, Alaska, and the Yukon valley. A party of over one hundred went from

Toronto to Vancouver by special train, stopping along the route at various points of geological interest. From Vancouver a party, numbering somewhat less than fifty, went by specially chartered steamer along the coast of British Columbia and Alaska, going as far as Yakutat Bay, where special attention was given to the glaciers whose alternations of recession and advance have greatly interested geologists. From Yakutat Bay the party returned by the same steamer to Skagway. They then crossed the White Pass and took a steamboat journey down the Lewes and Yukon Rivers to Dawson, the centre of the Klondike region. On the return, the party proceeded from Vancouver to Toronto by a different route from that taken on the westward journey, so as to visit other localities of geological interest. The party arrived at Toronto on October 4.

The centennial of the great geologist, James Dwight Dana, is being celebrated by Yale University the present year by a special modification of the plan of the Silliman Lectures. Instead of having a single scientist deliver a course of lectures on the Silliman foundation, a number of eminent geologists of the United States and Canada are to give a course of lectures on American Geological Problems.

Since Professor Dana's work was epoch-making in the history of American geology, such a course of lectures is appropriately introduced by a critical discussion of the geological work of James Dwight Dana. That introductory lecture was given on December 2, by Professor Rice, a former pupil of Professor Dana.

PROFESSOR HARRINGTON.—The last months of Professor Harrington's year of absence were spent in further study and travel on the continent of Europe and in England. His itinerary included Naples and vicinity, Pompeii, Paestum, Terni, Assisi, Perugia, Siena, Florence, the alleged site of Pliny's villa *in Tuscis*, the Italian lakes, various places among the Fassa Dolomites and in Switzerland, a tour through the old Roman cities of southern France and over several of the Alpine passes traditionally connected with Hannibal's march to Italy, the Roman camp of the Saalburg near Homburg, the Rhine, Holland, and, besides many favorite spots in England, a visit to the remains of the Roman wall in the north not far from Carlisle. Especially at Dresden, the royal library in Munich, the Vatican library, the University of Leyden, the British Museum, and Cambridge, Professor Harrington availed himself of advantageous opportunities to consult ancient manuscripts and books in connection with editorial work upon which he has been engaged for some time.

PROFESSOR BRADLEY.—Professor Bradley spent last year with the United States Rubber Company, having been granted a year's leave of absence. Most of the year he spent in organizing a chemical, a physical, and a so-called "process" laboratory for testing and research. Temporary quarters for these were secured at the plant of a subsidiary company, the India Rubber Company at New Brunswick, New Jersey; in the late spring they were transferred to New York City and Professor Bradley spent the time from April to September at the laboratories of the Revere Rubber Company, at Providence, Rhode Island. This also is a subsidiary of the United States Rubber Company and is the largest producer of rubber thread in the country. Professor Bradley examined the entire process of manufacture, with a view to changes that would improve the vitality of the material.

PROFESSOR DUTCHER.—In the summer session of Columbia University, Professor Dutcher gave a course of thirty lectures on the History of Europe since 1870, and conducted a graduate seminary in the Methods of Historical Research.

MR. BARROWS.—Mr. Barrows attended the Twelfth International Geological Congress in Toronto, and took part in an excursion which spent a month in studying the geography and geology of portions of Quebec, New Brunswick, Nova Scotia, and Cape Breton Island.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The work of the Association this year is in charge of Chanter, '14, the undergraduate president. Under his direction the employment bureau was conducted in an unusually efficient way and many were assisted to secure remunerative work, especially in the early days of the term. Before college opened, the association handbook and a letter of greeting were mailed to every prospective freshman. At the opening reception held on September 25, President Shanklin, Professors Winchester and Nicolson, the president of the College Body, and the president of the Association addressed a large audience.

This reception was held in the large double room in the basement of Fisk Hall. This room has been fitted up for the use of the Association. Comfortable and substantial furniture has been installed, and the Young Men's Christian Association now has an attractive meeting room, which, it is hoped, will also serve as a social center for the growing number of students who are not members of fraternities nor of the Commons Club.

In coöperation with the city association, men from the college are teaching English and civics to several classes of immigrants, while others are at work in the boys' department. Many of the city churches have Wesleyan men working in their Sunday Schools. Still others are taking charge of the neighborhood work, the oldest form of social service at Wesleyan.

This year the Bible study enrolment was taken earlier than usual, and classes began their work October 5. The total enrolment is 140 and the attendance on all the groups has, so far, been excellent. The courses are as follows: The Book of Job, conducted by Professor Winchester; The Social Significance of the Teachings of Jesus, conducted by Professor Howland; The Manhood of the Master (for freshmen), conducted by Bensinger, Blydenburgh, Chaunter, Hall, and Moore, '14, and Richards, '15. These men meet weekly with Professor Hewitt to compare notes and discuss the work of the coming week. Courses in mission study are being conducted by Professors Conley and Miles on The City Church and its Social Mission, and the Revolution in China, respectively.

The Thursday evening meetings of the Association are being very well attended. At the opening meeting on September 18, President Shanklin spoke to a gathering of 250 men. On October 16, Mr. Oliver F. Cutts, alumni secretary of the international committee of Young Men's Christian Associations, presented the new and important branch of alumni work, which seeks to connect each college graduate with some form of social service.

The membership of the Association is encouragingly large. The figures by classes are:

	Active	Associate	Men in College
1914	49	30	92
1915	48	13	72
1916	59	20	101
*1917	60	35	150
Total,	216	98	415

The eleventh annual Connecticut Valley Student Missionary Conference was held at Yale on November 1 and 2. Twenty-eight representatives of Wesleyan attended the sessions.

* The registration of the freshmen is not yet completed.

UNDERGRADUATE NOTES

PRESIDENT OF THE COLLEGE BODY.—The President of the College Body for the present year is Herbert Langdon Pratt, '14, of Newton Center, Massachusetts.

ARGUS.—Under the present management, the *Argus* has been considerably remodeled. The number of pages has been reduced to four, while the size of the pages has been increased. This change is intended to reduce the cost of publishing, to eliminate all unprofitable advertisements, and to cut all padding out of the news articles.

ALBANY CLUB.—An Albany Club has been formed by the students at Wesleyan who come from that city. The object of the club is to further the interests of Wesleyan among the young men of Albany who intend to go to college, and to get as many of them as possible to visit Wesleyan before choosing the college they intend to enter. The officers of the club are: H. P. Winchester, '14, president; G. W. Beeman, '16, vice-president; W. W. Thompson, '16, secretary. The club at present has ten members.

MOUNT HERMON CLUB.—Fifteen undergraduates, who prepared for college at Mount Hermon, have formed a club, mainly to promote Wesleyan's interests among the students of Mount Hermon School, and incidentally to increase the bond of friendship among themselves. Delegates are to be sent each year to visit the school. The officers of the club are: George Mair, '16, president; F. E. Stevens, '17, vice-president; G. F. Johnson, '17, recording secretary and treasurer; F. L. Chiesa, '17, corresponding secretary.

THE INDEPENDENTS.—An organization has been formed of the men in college who are members neither of fraternities nor of the Commons Club. This society will conduct any business with the fraternities that affects the Independents as a whole; it will be represented, along with the fraternities, in college competitions; it will stand back of its men and aid them in college activities, and will serve as a social bond among its members. It is not in any sense anti-fraternity in spirit, and will not bar its members from joining fraternities or other organizations which they may wish to join. Sixty men are at present enrolled in the society. The following officers have been elected: P. P. Martin, '14, president; H. K. Miller, '14, vice-president; L. J. Carey, '15, secretary; and G. L. Gans, '17, treasurer.

BETA THETA PI HOUSE.—The new chapter house of the Beta Theta Pi fraternity on the corner of High and Church Streets was formally

opened by the annual initiation and banquet of the fraternity on October 24. Representatives from a dozen other chapters were present, among them J. R. Simpson, of Miami, as the representative of Mr. William Duy Baird, who gave the house to the Wesleyan chapter in memory of his son, Raymond Duy Baird, '09.

RECENT COLLEGE APPOINTMENTS

Class

- 1890 Stockton Axson. Professor of English Literature, Rice Institute.
- 1900 Leroy Albert Howland. Professor of Mathematics, Wesleyan University.
- 1902 Alexander James Inglis. Professor of Pedagogy, Rutgers College.
- 1903 Martin John Prucha. Assistant Professor of Dairy Bacteriology, University of Illinois.
- 1904 Henry Adelbert White. Professor of English, Lombard College.
- 1905 Victor Caryl Myers, Professor of Pathological Chemistry, New York Post-Graduate Medical School and Hospital.
- 1906 Albert Mann, Jr. Associate Professor of Romance Languages, Wesleyan University.
- 1907 Adelbert Llewellyn Leathers. Instructor in Zoölogy, Northwestern University.
- 1908 Herbert Parsons Patterson. Professor of Education, Dakota Wesleyan University.
- 1909 Carll Whitman Doxsee. Instructor in English, University of Kansas.
- 1909 Oscar Fred Hedenburg. Research Assistant, University of Chicago.
- 1910 Ruth Almira Swan, Professor of Romance Languages, Nebraska Wesleyan University.
- 1912 Herbert Soley Bain. Instructor in German, University of Maine.
- 1912 Harry Fletcher Lewis. Assistant in Chemistry, University of Illinois.
- 1913 Haynes Harold Fellows. Assistant in Biology, Wesleyan University.

FELLOWS AND SCHOLARS

- 1905 Henry Alfred Holmes. University Fellow, Columbia University.
- 1908 Arthur Rollins Graves. Edward Austin Fellow, Harvard University.
- 1909 Stanley Davis Wilson. Swift Fellow, University of Chicago.
- 1911 Henry Merritt Wriston. Austin Teaching Fellow in History, Harvard University.
- 1913 Lloyd Preston Rice, Harvard University Scholar, Harvard University.

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